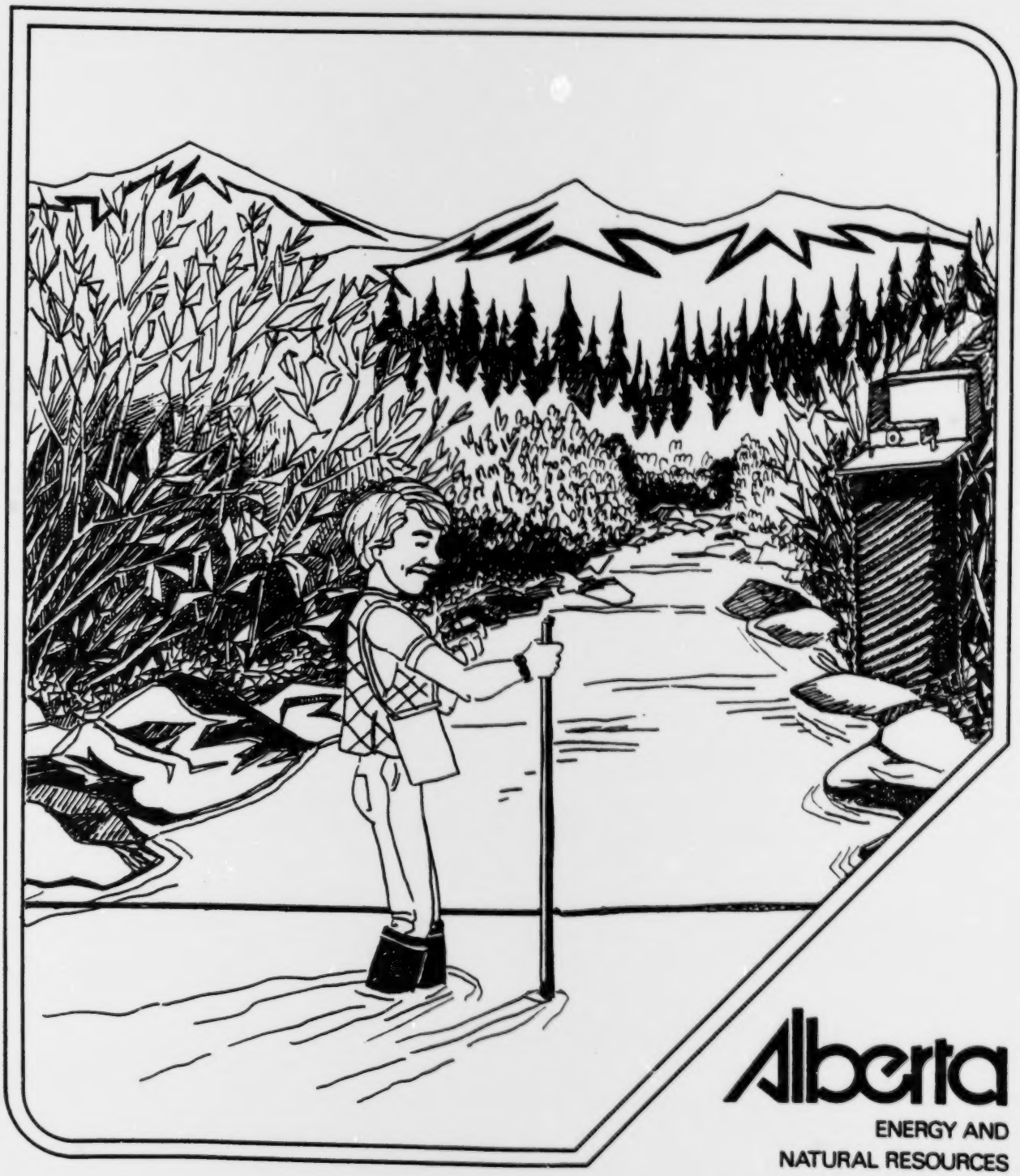
Water Quality and Streamflow Data, 1984



Alberta

ENERGY AND
NATURAL RESOURCES

86-05857/

WATER QUALITY AND STREAMFLOW DATA FOR 1984

Results of the Alberta Forest Service

Stream Monitoring Program

1986
Edmonton

Alberta
ENERGY AND
NATURAL RESOURCES
Forest Service

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1. INTRODUCTION

The data in this report are collected and used by the Alberta Forest Service for assessment of sub-watershed condition. Program objectives may differ from site to site and this can affect the sampling design.

Users of these data are responsible for any conclusions they draw from them, and they are cautioned to be aware of the limitations of the data as explained in chapters 2 and 3.

The data are managed on the University of Alberta AMDAHL computer and are not readily accessible to other computers.

2. INTERPRETATION OF WATER QUALITY PRINTOUT TABLES

This printout format was designed to meet the needs of the Alberta Forest Service streamflow and suspended sediment monitoring program. The contents of each column are explained below.

1. DATE - the month and day the sample was taken
   Example: 518 = May 18, where 5 = month (MAY)
   and 18 = day

2. TIME - 24-hour clock hours
   Example: 1300 = 1 p.m.

3. SI - Sample Interval
   - Intended for use with automatic suspended sediment samplers
   - Indicates time between samples in hours, i.e., sampling frequency

4. TY - TYpe of sample taken

   1 = grab/dip; 2 = stage; 3 = automatic composite; 4 = automatic discrete; 5=DH48 isokinetic sampler

5. NI - Number of samples Integrated in one sample bottle; the correct term is a composite sample.

6. NUMBER - Sample Number

Files up to 1983 generally contain numbers with a zero decimal. A decimal of .3 indicates a sample taken downstream of a point source such as a bridge; .4 indicates an upstream sample. The two numbers should be sequential such as 5000.3 and 5001.4.

Files from 1984 on contain the following number code:

Examples:

5000.1	- single sample
5001.1 5001.2	- paired sample at 1 point, i.e., two samples taken simultaneously at the same site; used for computing an average
5002.13 5003.14	- single samples taken downstream (.13) then upstream (.14) of a point source, e.g., a culvert crossing
5004.13 5004.23	- paired downstream samples
5005.14 5005.24	- paired upstream samples

For example, the last 4 numbers should appear in column 6 sequentially. Date and time should be the same for all samples.

DATE	TIME	NUMBER .....
518	1015	5004.13
518	1015	5004.23
518	1015	5005.14
518	1015	5005.24

7. FCON - Flow CONdition
   1 = stable; 2 = falling; 3 = rising; 4 = dry; 5 = peak

8. STAGE
   - Refers to the STAGE height at the date and time of measurement

9. AC - ACtual Flow Taken
   - A * indicates an actual instantaneous streamflow measurement was taken
   - A .. indicates an estimated flow

10. FLOW - StreamFLOW in cubic metres per second
    If AC = *, the flow is an actual measurement of instantaneous flow.

    - If a stage is given in column 8 and .. appears in column 9, the flow is a rating curve estimate.

    If stage is not given, the flow is either an interpolated crest gauge estimate or a Stevens recorder estimate. See chapter 3 for an explanation of flow measurement procedures.

11. PEAK
    - Refers to the PEAK stage recorded between the current and previous visit
    - This is not the peak stage on the current date.
    - This column was intended for use by Bow/Crow staff in their crest gauge program. The peak stage is used to estimate flows occurring between dates when actual flow measurements were taken. This is a substitute for those sites lacking continuously recording Stevens stage recorders.
12. FLOW or PFLOW - StreamFLOW at Peak stage in cubic metres per second generated from a rating curve

13. STEMP - Stream TEMPerature in centigrade degrees

14. ATEMP - Air TEMPerature in centigrade degrees

15. PREC - PRECipitation
    - The recorded value is how much precipitation has fallen since the last visit to the monitoring site.
    - It is not how much precipitation fell on the date of the current visit.

16. CONC - CONCentration of suspended solids in mg/L, filtered to 1.5 micrometres

17. TURB - TURBidity of the sample in Jackson Turbidity Units (JTU) or Nephlometric Turbidity Units (NTU)

18. COND - CONDuctivity of sample in micromhos

This figure is not always representative of the conductivity at the time of sampling. Samples are not always analysed immediately, nor stored at cold temperatures. Delays of up to 3 weeks or more can occur before analysis is done.

19. pH - analysed occasionally but currently not recorded

2.1 Additional Information in the Header

PHASE 3 Code - a six-level alphanumeric watershed map code ranging from ocean drainage to sub-watershed

AREA - the area in hectares of the watershed above the monitoring site

LOCATION - legal subdivision, section, township, range, meridian

LAT/LONG - latitude/longitude co-ordinates

RATING CURVE - regression equation used to predict flow from stage height

3. INTERPRETATION OF STREAMFLOW TABLES

The data in the streamflow tables are obtained using one of the three methods described below.

3.1 Stevens Stage Recorder - Stilling Well

Sufficient open channel flow measurements are made each year to generate a rating curve, which is usually in the form FLOW = aX^b, where X = STAGE HEIGHT in metres. The strip chart is then digitized to give daily average streamflows.

3.2 Crest Gauge Estimates

3.2.1 Standard Crest Gauge

Streamflow measurements are taken frequently and a rating curve is generated using stage heights from the crest gauge. Since a continuous record of stage is lacking, daily average flows are estimated for the dates between actual measurements by means of linear interpolation. It is assumed that the peak flow recorded between visits occurred midway between visits. This peak flow is adjusted down to represent a daily average estimate. This adjustment factor is based on the ratio of maximum instantaneous daily flow to daily average flow derived from data from other monitored creeks in the vicinity. Each instantaneous flow measurement is assumed to be the daily average flow.

This is an estimation procedure and it is used only if a continuous stage recorder is not available. The user is cautioned to treat the data accordingly.

3.2.2 Centroid Crest Gauge

This procedure is used at remote sampling stations. A crest gauge is positioned at the stream centroid (generally in the thalweg) and a single streamflow velocity is measured. The velocity is used to estimate daily average flow based on cross sectional flow measurements which are taken occasionally. The estimates of daily flow are produced through regression analysis.

This technique provides very rough estimates of daily average streamflow.

TABLE 1
WATER QUALITY DATA FOR BEAVER MINES CREEK WEST, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 10, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1200	..	1	..	5503.10	1	.110	..	.051	.....	.....	4	12	....	.0	.2	...
2	510	1550	..	1	..	5520.10	2	.179	..	.226	.179	.23	4	5	....	2.4	.3	180
3	513	1100	..	1	..	5740.10	2	.132	..	.089	.132	.09	3	12	....	.0	.1	180
4	516	940	..	1	..	5681.10	2	.258	..	.690	.372	2.11	2	8	....	184.2	34.0	130
5	518	1400	..	1	..	5443.10	..	.178	..	.222	.258	.69	5	10	....	6.9	.8	145
6	523	1320	..	1	..	5469.10	4	.146	*	.196	.177	.22	4	2	....	2.1	5.2	150
7	528	1545	..	1	..	5752.10	1	.134	*	.095	.169	.19	5	12	....	1.6	.5	160
8	604	1220	..	1	..	5927.10	1	.157	*	.172	.235	.52	6	16	....	8.7	1.3	145
9	607	1500	..	1	..	5956.10	2	.151	*	.192	.151	.13	6	12	....	.8	.3	140
10	611	940	..	1	..	6058.10	1	.167	*	.165	.178	.22	6	11	....	3.5	.5	150
11	615	1510	..	1	..	6080.10	1	.196	..	.298	.207	.35	8	23	....	6.7	.5	140
12	621	1600	..	1	..	5016.10	2	.204	..	.336	.207	.35	5	7	....	5.8	1.8	268
13	625	1730	..	1	..	6318.10	1	.208	*	.236	.244	.58	9	20	....	2.8	.5	145
14	701	1230	..	1	..	6338.10	1	.143	..	.113	.198	.31	9	17	....	3.8	2.1	...
15	706	1310	..	1	..	6386.10	1	.121	*	.060	.141	.11	9	20	....	.8	.4	195
16	710	1340	..	1	..	5979.10	1	.105	*	.031	.126	.08	14	19	....	.0	.1	...
17	716	1300	..	1	..	5944.10	1	.087	..	.025	.105	.04	14	20	....	.4	.2	...
18	813	1250	..	1	..	7450.10	1	.....	..	.....	.....	.....	10	18	....	.8	.2	290
19	831	1030	..	1	..	316.10	5	.....	..	.....	.....	.....	9	12	....	1.9	.8	320
20	910	1430	..	1	..	350.10	1	.....	..	.....	.....	.....	..	..	....	1.2	.5	300

PHASE 3 CODE : H6C11C1 AREA : 409 HA
LOCATION : 3-11-5-3-W5 LAT/LONG :
RATING CURVE : FLOW = 43.457 × STAGE*3.058
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 2
WATER QUALITY DATA FOR BEEHIVE CREEK, BOW/CROW FOREST, 1984
JUNE 17, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	617	1400	..	1	..	6002.10	1	.271	..	.475	.....	.....	7	17	....	12.6	1.0	...
2	625	1230	..	1	..	6325.10	1	.253	*	.252	.263	.42	7	26	....	5.5	.5	...
3	704	1058	..	1	..	6364.10	1	.233	*	.319	.265	.44	4	15	....	2.7	.3	...
4	718	1000	..	1	..	7095.10	1	.184	*	.143	.220	.21	5	19	....	2.4	.5	...
5	803	1040	..	1	..	7149.10	1	.171	*	.121	.190	.12	5	18	....	6.7	.7	275
6	807	1225	..	1	..	7174.10	1	.166	*	.063	.174	.08	7	19	....	5.2	.6	280
7	822	1050	..	1	..	7485.10	1	.158	*	.047	.169	.07	5	20	....	2.0	.4	290
8	829	1335	..	1	..	307.10	1	.147	*	.033	.165	.07	7	13	....	.8	.3	275
9	907	1340	..	1	..	323.10	1	.145	..	.041	.153	.05	6	13	....	1.9	3.3	280
10	916	1510	..	1	..	359.10	1	.141	..	.037	.156	.05	6	14	....	.0	.2	315

PHASE 3 CODE : N16A14 AREA : 780 HA
LOCATION : 12-2-13-5-W5 LAT/LONG :
RATING CURVE : FLOW = 78.713 * STAGE*3.914
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 3
WATER QUALITY DATA FOR BRIDGELAND CREEK, BOW/CROW FOREST, 1984
MAY 10, 1984 - JUNE 18, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	510	1130	..	4	..	1.10	..	.....	..	.....	.....	.....	0	..	....	2.5	.2	...
2	510	2330	..	4	..	2.10	..	.....	..	.....	.....	.....	0	..	....	.9	.3	...
3	511	1130	..	4	..	3.10	..	.....	..	.....	.....	.....	0	..	....	2.5	.2	...
4	511	2330	..	4	..	4.10	..	.....	..	.....	.....	.....	0	..	....	1.4	.1	...
5	511	2330	..	4	..	5.10	..	.....	..	.....	.....	.....	..	..	....	12.2	.5	...
6	512	1130	..	4	..	5.10	..	.....	..	.....	.....	.....	0	..	....	1.7	.1	...
7	512	2330	..	4	..	6.10	..	.....	..	.....	.....	.....	0	..	....	.3	.1	...
8	513	1130	..	4	..	7.10	..	.....	..	.....	.....	.....	0	..	....	1.7	.1	...
9	513	2330	..	4	..	8.10	..	.....	..	.....	.....	.....	0	..	....	2.2	.2	...
10	514	1130	..	4	..	9.10	..	.....	..	.....	.....	.....	0	..	....	3.0	.2	...
11	514	2330	..	4	..	10.10	..	.....	..	.....	.....	.....	0	..	....	1.9	.2	...
12	515	1130	..	4	..	11.10	..	.....	..	.....	.....	.....	0	..	....	1.4	.2	...
13	515	2330	..	4	..	12.10	..	.....	..	.....	.....	.....	0	..	....	.8	.1	...
14	516	1130	..	4	..	13.10	..	.....	..	.....	.....	.....	0	..	....	2.5	.2	...
15	516	2330	..	4	..	14.10	..	.....	..	.....	.....	.....	0	..	....	2.7	.5	...
16	517	1130	..	4	..	15.10	..	.....	..	.....	.....	.....	0	..	....	2.4	.2	...
17	517	2330	..	4	..	16.10	..	.....	..	.....	.....	.....	0	..	....	1.9	.2	...
18	517	2330	..	4	..	27.10	..	.....	..	.....	.....	.....	..	..	....	3.8	.2	...
19	518	1130	..	4	..	17.10	..	.....	..	.....	.....	.....	0	..	....	.5	.1	...
20	518	2330	..	4	..	18.10	..	.....	..	.....	.....	.....	0	..	....	.8	.2	...
21	519	1130	..	4	..	19.10	..	.....	..	.....	.....	.....	0	..	....	1.1	.2	...
22	519	2330	..	4	..	20.10	..	.....	..	.....	.....	.....	0	..	....	1.4	.3	...
23	520	1130	..	4	..	1.10	..	.....	..	.....	.....	.....	..	..	....	1.1	.2	...
24	520	2330	..	4	..	2.10	..	.....	..	.....	.....	.....	..	..	....	4.0	.3	...
25	521	1130	..	4	..	3.10	..	.....	..	.....	.....	.....	..	..	....	2.3	.3	...
26	521	2330	..	4	..	4.10	..	.....	..	.....	.....	.....	..	..	....	3.6	.2	...
27	522	1130	..	4	..	5.10	..	.....	..	.....	.....	.....	..	..	....	2.5	.2	...
28	522	2330	..	4	..	6.10	..	.....	..	.....	.....	.....	..	..	....	3.7	.2	...
29	523	1130	..	4	..	7.10	..	.....	..	.....	.....	.....	..	..	....	4.3	.2	...
30	523	2330	..	4	..	8.10	..	.....	..	.....	.....	.....	..	..	....	2.2	.1	...
31	524	1130	..	4	..	9.10	..	.....	..	.....	.....	.....	..	..	....	2.7	.2	...
32	524	2330	..	4	..	10.10	..	.....	..	.....	.....	.....	..	..	....	3.8	.2	...
33	525	1130	..	4	..	11.10	..	.....	..	.....	.....	.....	..	..	....	.6	.3	...
34	525	2330	..	4	..	12.10	..	.....	..	.....	.....	.....	..	..	....	.3	.3	...
35	526	1130	..	4	..	13.10	..	.....	..	.....	.....	.....	..	..	....	.8	.3	...
36	526	2330	..	4	..	14.10	..	.....	..	.....	.....	.....	..	..	....	2.8	.3	...
37	527	1130	..	4	..	15.10	..	.....	..	.....	.....	.....	..	..	....	1.4	.2	...
38	527	2330	..	4	..	16.10	..	.....	..	.....	.....	.....	..	..	....	1.1	.2	...
39	528	1130	..	4	..	17.10	..	.....	..	.....	.....	.....	..	..	....	1.4	.2	...
40	528	2330	..	4	..	18.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.2	...
41	529	1130	..	4	..	19.10	..	.....	..	.....	.....	.....	..	..	....	1.9	.2	...
42	529	2330	..	4	..	20.10	..	.....	..	.....	.....	.....	..	..	....	2.8	.4	...
43	530	1130	..	4	..	1.10	..	.....	..	.....	.....	.....	..	..	....	2.7	.5	...
44	530	2330	..	4	..	2.10	..	.....	..	.....	.....	.....	..	..	....	4.9	.7	...
45	531	1130	..	4	..	3.10	..	.....	..	.....	.....	.....	..	..	....	4.4	.3	...
46	531	2330	..	4	..	4.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.2	...
47	601	1130	..	4	..	5.10	..	.....	..	.....	.....	.....	..	..	....	2.2	.7	...
48	601	2330	..	4	..	6.10	..	.....	..	.....	.....	.....	..	..	....	3.9	.5	...
49	602	1130	..	4	..	7.10	..	.....	..	.....	.....	.....	..	..	....	1.9	.3	...

50	602	2330	..	4	..	8.10	..	.....	..	.....	.....	.....	..	..	....	3.6	.5	...
51	603	1130	..	4	..	9.10	..	.....	..	.....	.....	.....	..	..	....	4.3	.9	...
52	603	2330	..	4	..	10.10	..	.....	..	.....	.....	.....	..	..	....	6.9	.6	...
53	604	1130	..	4	..	11.10	..	.....	..	.....	.....	.....	..	..	....	.5	.4	...
54	604	2330	..	4	..	1.10	..	.....	..	.....	.....	.....	..	..	....	3.1	.4	...
55	605	1130	..	4	..	2.10	..	.....	..	.....	.....	.....	..	..	....	4.4	.3	...
56	605	2330	..	4	..	3.10	..	.....	..	.....	.....	.....	..	..	....	7.0	.4	...
57	606	1130	..	4	..	4.10	..	.....	..	.....	.....	.....	..	..	....	476.7	3.8	...
58	606	2330	..	4	..	5.10	..	.....	..	.....	.....	.....	..	..	....	45.3	.8	...
59	607	1130	..	4	..	6.10	..	.....	..	.....	.....	.....	..	..	....	19.2	.4	...
60	607	2330	..	4	..	7.10	..	.....	..	.....	.....	.....	..	..	....	44.3	.9	...
61	608	1130	..	4	..	8.10	..	.....	..	.....	.....	.....	..	..	....	168.1	1.3	...
62	608	2330	..	4	..	9.10	..	.....	..	.....	.....	.....	..	..	....	36.0	3.2	...
63	609	1130	..	4	..	10.10	..	.....	..	.....	.....	.....	..	..	....	11.6	.5	...
64	609	2330	..	4	..	11.10	..	.....	..	.....	.....	.....	..	..	....	9.0	.7	...
65	610	1130	..	4	..	12.10	..	.....	..	.....	.....	.....	..	..	....	15.7	3.2	...
66	610	2330	..	4	..	13.10	..	.....	..	.....	.....	.....	..	..	....	15.7	3.2	...
67	611	1130	..	4	..	14.10	..	.....	..	.....	.....	.....	..	..	....	4.5	.8	...
68	612	1130	..	4	..	16.10	..	.....	..	.....	.....	.....	..	..	....	9.7	.6	...
69	612	2330	..	4	..	17.10	..	.....	..	.....	.....	.....	..	..	....	3.2	.5	...
70	613	1130	..	4	..	18.10	..	.....	..	.....	.....	.....	..	..	....	7.4	.6	...
71	613	2330	..	4	..	19.10	..	.....	..	.....	.....	.....	..	..	....	7.3	.6	...
72	614	1130	..	4	..	20.10	..	.....	..	.....	.....	.....	..	..	....	1.3	.2	...
73	614	2330	..	4	..	21.10	..	.....	..	.....	.....	.....	..	..	....	1.6	.2	...
74	615	1130	..	4	..	22.10	..	.....	..	.....	.....	.....	..	..	....	1.6	.2	...
75	615	2330	..	4	..	23.10	..	.....	..	.....	.....	.....	..	..	....	1.9	.3	...
76	616	1130	..	4	..	24.10	..	.....	..	.....	.....	.....	..	..	....	1.1	.4	...
77	616	2330	..	4	..	25.10	..	.....	..	.....	.....	.....	..	..	....	3.0	.3	...
78	617	1130	..	4	..	26.10	..	.....	..	.....	.....	.....	..	..	....	10.7	.4	...
79	618	1130	..	4	..	28.10	..	.....	..	.....	.....	.....	..	..	....	2.9	.3	...

PHASE 3 CODE : *AREA : HA*
LOCATION : *LAT/LONG :*

TABLE 4
WATER QUALITY DATA FOR CACHE CREEK, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1420	..	1	..	5507.10	1	.215	..	.064	.....	.....	2	9	....	.2	.1	260
2	512	1030	..	1	..	5713.10	1	.194	..	.041	.213	.06	1	4	....	.2	.0	290
3	515	1025	..	1	..	5669.10	2	.285	..	.219	.285	.22	1	9	....	12.1	.3	230
4	522	1145	..	1	..	5457.10	1	.269	..	.170	.374	.72	3	11	....	.4	.1	150
5	529	1035	..	1	..	5756.10	2	.308	*	.240	.308	.31	2	18	....	1.5	2.1	240
6	602	1140	..	1	..	5790.10	1	.328	..	.405	.548	3.82	3	15	....	1.8	.3	240
7	606	1320	..	1	..	5950.10	1	.359	*	.726	.359	.60	4	16	....	.6	3.4	220
8	608	....	..	1	..	5963.10	1	.428	*	1.399	.428	1.30	3	6	....	.....	.....	...
9	612	1030	..	1	..	6066.10	1	.431	*	1.363	.465	1.86	3	19	....	3.7	.3	215
10	621	1415	..	1	..	6020.10	1	.455	..	1.696	.510	2.79	..	..	....	2.5	.2	202
11	625	1413	..	1	..	6324.10	1	.472	*	1.639	.472	1.99	6	23	....	1.0	.3	203
12	704	1035	..	1	..	6363.10	1	.371	*	.723	.469	1.94	5	13	....	1.4	.3	...
13	718	1100	..	1	..	7096.10	1	.349	*	.608	.405	1.02	5	17	....	1.1	.3	...
14	803	1100	..	1	..	7150.10	1	.335	*	.444	.361	.62	5	19	....	1.6	.2	230
15	807	1205	..	1	..	7173.10	1	.335	*	.440	.359	.60	6	20	....	.6	.4	235
16	822	1020	..	1	..	7472.10	1	.280	..	.203	.330	.42	4	15	....	1.8	.2	250
17	829	1320	..	1	..	306.10	1	.270	..	.173	.289	.23	6	16	....	.6	.2	240
18	907	1320	..	1	..	322.10	1	.254	..	.133	.267	.16	6	10	....	4.4	.3	240
19	916	1500	..	1	..	358.10	1	.253	..	.130	.261	.15	6	15	....	.6	.2	280

PHASE 3 CODE : N16A14 AREA : 2320 HA
LOCATION : 5-2-13-5-W5 LAT/LONG :
RATING CURVE : FLOW = 53.016 * STAGE**4.372
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

**** BCSCARBONDALE84

TABLE 5
WATER QUALITY DATA FOR CARBONDALE CREEK, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1430	..	1	..	5504.10	1	.196	..	.733	.....	.....	6	10	....	1.2	.3	...
2	512	1045	..	1	..	5721.10	..	.250	..	1.093	.274	1.27	3	7	....	3.1	.7	136
3	514	1150	..	1	..	5662.10	2	.368	..	2.063	.368	2.06	5	15	....	10.2	1.4	125
4	518	1110	..	1	..	5698.10	1	.364	*	2.069	.528	3.73	4	10	....	7.5	1.1	130
5	523	1545	..	1	..	5468.10	1	.385	..	2.222	.487	3.27	6	6	....	8.2	1.6	130
6	530	1445	..	1	..	5763.10	2	.490	..	3.301	.490	3.30	7	21	....	6.8	7.7	120
7	604	1333	..	1	..	5931.10	1	.321	*	1.741	.556	4.06	6	16	....	7.0	.8	135
8	610	1245	..	1	..	6053.10	1	.379	*	2.226	.414	2.50	7	16	....	4.4	1.4	135
9	616	1540	..	1	..	6086.10	1	.436	..	2.725	.467	3.05	10	22	....	10.1	1.7	...
10	623	1138	..	1	..	6030.10	1	.361	*	2.416	.456	2.93	..	..	....	4.5	.8	140
11	703	1500	..	1	..	6357.10	1	.266	*	1.129	.369	2.07	13	20	....	4.4	.3	...
12	705	1305	..	1	..	6374.10	1	.236	*	.901	.244	1.05	13	24	....	5.4	.8	...
13	708	1330	..	1	..	5969.10	1	.255	*	.901	.255	1.13	12	20	....	3.9	.3	...
14	722	1250	..	1	..	7110.10	1	.160	..	.526	.264	1.20	11	21	....	1.2	.3	...
15	801	1400	..	1	..	7144.10	1	.129	..	.369	.191	.70	14	23	....	2.8	.4	190
16	814	1101	..	1	..	7455.10	1	.094	*	.243	.160	.53	11	14	....	.4	.4	210
17	909	1159	..	1	..	332.10	1	.186	..	.673	.210	.82	8	9	....	3.1	17.0	170

AREA : 3604 HA
LAT/LONG :

PHASE 3 CODE : H16C12C3
LOCATION : 8-34-5-4-W5
RATING CURVE : FLOW = 10.647 x STAGE*1.642
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

**** BCSCASTLEHEAD84

TABLE 6
WATER QUALITY DATA FOR SOUTH CASTLE HEADWATERS, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1150	..	1	..	5727.10	1	.266	..	.213	.....	.....	..	..	....	1.3	.3	156
2	513	945	..	1	..	5739.10	1	.294	*	.386	.322	.40	4	7	....	.6	.1	147
3	524	1200	..	1	..	5476.10	1	.451	*	.669	.544	2.33	4	9	....	.2	.3	110
4	606	1100	..	1	..	5958.10	1	.457	*	1.606	.725	6.10	4	14	....	2.0	.3	95
5	628	1400	..	1	..	6331.10	1	.429	*	1.391	.514	1.93	9	26	....	1.0	.3	...
6	717	1140	..	1	..	7101.10	1	.248	*	.189	.418	.97	9	25	....	2.2	.2	140
7	802	1130	..	1	..	7160.10	1	.202	*	.067	.265	.21	9	21	....	.4	.1	160
8	828	1200	..	1	..	301.10	1	.136	..	.023	.205	.09	8	11	....	2.0	.1	180
9	911	1150	..	1	..	348.10	1	.173	..	.051	.175	.05	6	10	....	.6	.1	195
10	918	1400	..	1	..	401.10	1	.176	..	.054	.184	.06	9	23	....	.0	.1	180

AREA : 1818 HA
LAT/LONG :

PHASE 3 CODE : H16C11C4
LOCATION : 7-12-3-2-W5
RATING CURVE : FLOW = 17.887 x STAGE*3.345
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 7
WATER QUALITY DATA FOR DAISY CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCOM	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1340	..	1	..	5486.10	1	.412	..	.367	.....	.....	4	9	....	2.2	.3	...
2	508	1510	..	1	..	5509.10	1	.418	..	.383	.422	.39	7	11	....	.0	.0	260
3	512	1200	..	1	..	5714.10	1	.451	..	.485	.470	.55	4	10	....	3.5	.3	260
4	515	925	..	1	..	5666.10	2	.528	..	.788	.528	.79	4	9	....	6.8	1.5	203
5	518	1500	..	1	..	5693.10	1	.602	*	.948	.650	1.50	..	..	....	4.5	1.1	175
6	522	1100	..	1	..	5456.10	1	.553	..	.909	.588	1.10	2	10	....	.2	.7	190
7	525	1500	..	1	..	5473.10	1	.525	*	.959	.550	.89	..	..	....	1.9	.4	200
8	529	1315	..	1	..	5759.10	2	.521	*	.826	.523	.77	7	19	....	9.4	4.3	205
9	602	1100	..	1	..	5788.10	1	.517	..	.739	.578	1.04	4	14	....	1.4	.5	215
10	606	1225	..	1	..	5947.10	1	.497	*	.555	.540	.84	7	17	....	.4	.4	220
11	608	940	..	1	..	5961.10	1	.460	*	.591	.500	.67	6	9	....	1.8	.6	225
12	612	1335	..	1	..	6069.10	1	.572	*	1.078	.580	1.05	8	18	....	4.4	.4	200
13	621	1608	..	1	..	6022.10	1	.515	*	.786	.574	1.02	..	..	....	5.0	1.6	235
14	625	1040	..	1	..	6321.10	1	.505	*	.753	.....	.....	7	20	....	.2	.3	250
15	704	925	..	1	..	6360.10	1	.460	*	.384	.505	.69	9	15	....	.8	.2	...
16	718	1340	..	1	..	7098.10	1	.427	*	.435	.440	.45	15	23	....	4.5	.6	320
17	803	1300	..	1	..	7153.10	1	.415	*	.355	.427	.41	13	23	....	5.4	.3	305
18	807	1420	..	1	..	7441.10	1	.410	..	.361	.410	.36	14	20	....	3.0	.3	235
19	822	905	..	1	..	7482.10	1	.392	..	.315	.405	.35	7	10	....	2.4	.8	450
20	827	1345	..	1	..	7497.10	1	.381	..	.288	.385	.30	12	20	....	.4	.2	355
21	829	1155	..	1	..	304.10	1	.385	..	.298	.390	.31	8	13	....	3.6	.3	340
22	907	1155	..	1	..	319.10	1	.386	..	.300	.388	.30	8	13	....	3.1	.2	350
23	916	1220	..	1	..	355.10	1	.389	..	.307	.399	.33	8	17	....	1.0	.2	380

PHASE 3 CODE : #16A16 AREA : 6980 HA
LOCATION : 10-24-10-4-W5 LAT/LONG :
RATING CURVE : FLOW = 5.649 * STAGE*3.084
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 8
WATER QUALITY DATA FOR DUTCH CREEK EAST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - AUGUST 27, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1500	..	1	..	5488.10	1	.146	..	.057	.....	.....	2	10	....	.8	.2	...
2	509	1320	..	1	..	5519.10	1	.157	..	.080	.170	.11	2	9	....	.0	.2	248
3	511	945	..	1	..	5525.10	1	.148	..	.061	.160	.09	2	13	....	.0	.1	175
4	516	950	..	1	..	5674.10	2	.214	..	.320	.215	.33	2	11	....	11.0	2.2	115
5	522	950	..	1	..	5446.10	1	.171	..	.117	.223	.39	2	8	....	1.9	.7	120
6	527	935	..	1	..	5477.10	1	.168	*	.112	.185	.17	1	5	....	.2	.4	140
7	531	1210	..	1	..	5773.10	1	.196	..	.216	.215	.33	4	8	....	2.0	1.2	90
8	605	920	..	1	..	5937.10	1	.167	*	.092	.210	.29	4	11	....	1.0	.4	120
9	609	1005	..	1	..	5965.10	2	.189	*	.191	.192	.20	3	6	....	3.7	.7	120
10	622	1515	..	1	..	6024.10	1	.217	*	.345	.220	.36	..	..	....	2.7	1.2	125
11	627	1530	..	1	..	6330.10	1	.204	..	.258	.223	.39	10	23	....	2.2	.6	...
12	703	1125	..	1	..	6353.10	..	.202	*	.237	.210	.29	7	18	....	2.1	.2	...
13	707	1050	..	1	..	6394.10	1	.193	*	.202	.200	.24	7	15	....	.4	.3	150
14	711	1140	..	1	..	5989.10	1	.186	..	.170	.....	.....	7	20	....	.6	.3	...
15	717	1140	..	1	..	7094.10	1	.170	*	.116	.190	.19	11	24	....	.8	.4	...
16	723	....	..	1	..	7121.10	1	.162	*	.097	.181	.15	8	18	....	1.8	.4	...
17	818	1225	..	1	..	7479.10	1	.148	..	.061	.181	.15	12	22	....	.6	.2	220
18	827	1245	..	1	..	7495.10	1	.140	..	.048	.145	.06	11	22	....	.0	.2	(0)

PHASE 3 CODE : N16A14 AREA : 852 HA
LOCATION : 3-18-11-4-W5 LAT/LONG :
RATING CURVE : FLOW = 327.56 * STAGE*4.495
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 9
WATER QUALITY DATA FOR DUTCH CREEK AT BRIDGE, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCOM	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1430	..	1	..	5489.10	1	.....	..	.....	.....	.....	..	..	....	2.4	.2	...
2	508	....	..	1	..	5514.10	1	.....	..	.....	.....	.....	..	..	....	.0	.2	262
3	512	1130	..	1	..	5716.10	1	.....	..	.....	.....	.....	..	..	....	2.4	.1	280
4	515	930	..	1	..	5668.10	1	.....	..	.....	.....	.....	..	..	....	15.5	5.0	225
5	518	1030	..	1	..	5687.10	..	.....	..	.....	.....	.....	..	..	....	3.6	.6	230
6	522	1110	..	1	..	5459.10	1	.....	..	.....	.....	.....	..	..	....	.2	.4	132
7	525	1315	..	1	..	5472.10	1	.....	..	.....	.....	.....	..	..	....	2.0	.5	240
8	529	945	..	1	..	5755.10	1	.....	..	.....	.....	.....	..	..	....	5.3	2.7	235
9	602	1125	..	1	..	5789.10	1	.....	..	.....	.....	.....	..	..	....	5.0	1.9	240
10	606	1250	..	1	..	5949.10	1	.....	..	.....	.....	.....	..	..	....	2.1	.9	220
11	608	950	..	1	..	5962.10	1	.....	..	.....	.....	.....	..	..	....	16.2	3.7	220
12	612	950	..	1	..	6065.10	1	.....	..	.....	.....	.....	..	..	....	8.4	1.8	230
13	621	1045	..	1	..	6018.10	1	.....	..	.....	.....	.....	..	..	....	8.0	2.2	221
14	625	1055	..	1	..	6322.10	1	.....	..	.....	.....	.....	..	..	....	4.8	1.6	220
15	704	950	..	1	..	6361.10	1	.....	..	.....	.....	.....	..	..	....	1.9	.3	...
16	718	1330	..	1	..	7099.10	1	.....	..	.....	.....	.....	..	..	....	3.7	.2	270
17	803	1245	..	1	..	7152.10	1	.....	..	.....	.....	.....	..	..	....	8.0	1.0	280
18	807	1115	..	1	..	7171.10	1	.....	..	.....	.....	.....	..	..	....	2.0	.9	280
19	822	930	..	1	..	7483.10	1	.....	..	.....	.....	.....	..	..	....	1.9	.2	280
20	827	1330	..	1	..	7496.10	1	.....	..	.....	.....	.....	..	..	....	1.4	.6	280
21	829	1215	..	1	..	310.10	1	.....	..	.....	.....	.....	..	..	....	1.0	.4	280
22	916	1235	..	1	..	357.10	1	.....	..	.....	.....	.....	..	..	....	.0	.3	310

PHASE 3 CODE : N16A14 AREA : HA
LOCATION : 3-18-11-3-W5 LAT/LONG :

TABLE 10
WATER QUALITY DATA FOR DUTCH CREEK WEST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1545	..	1	..	5487.10	1	.315	..	.217	.....	.....	3	10	....	1.5	.2	...
2	509	1340	..	1	..	5516.10	1	.355	..	.294	.358	.30	2	5	....	.2	.9	241
3	511	1000	..	1	..	5526.10	1	.328	..	.241	.355	.29	1	6	....	.2	.3	270
4	513	1450	..	1	..	5731.10	2	.339	..	.262	.340	.26	4	12	....	2.1	.6	265
5	516	1110	..	1	..	5667.10	..	.422	..	.455	.442	.51	2	11	....	6.8	1.4	220
6	522	1000	..	1	..	5447.10	1	.355	..	.294	.417	.44	1	8	....	1.2	.2	263
7	527	1030	..	1	..	5478.10	1	.343	*	.320	.357	.30	2	6	....	.2	.2	270
8	531	1230	..	1	..	5774.10	1	.463	..	.575	.488	.66	3	9	....	10.6	2.6	220
9	605	1000	..	1	..	5938.10	1	.397	*	.332	.468	.59	4	10	....	1.2	.5	240
10	609	1115	..	1	..	5966.10	1	.446	*	.531	.466	.58	2	4	....	8.4	1.8	240
11	622	1453	..	1	..	6025.10	1	.515	*	.862	.522	.78	..	..	....	3.4	1.2	323
12	703	1100	..	1	..	6352.10	1	.435	*	.539	.534	.82	4	17	....	3.5	.4	...
13	707	1030	..	1	..	6393.10	1	.504	*	.638	.557	.92	4	12	....	1.0	.4	240
14	711	1120	..	1	..	5988.10	1	.430	*	.470	.504	.71	6	20	....	1.6	.3	260
15	717	1120	..	1	..	7093.10	1	.401	*	.368	.430	.48	6	24	....	1.2	.4	...
16	723	....	..	1	..	7122.10	1	.381	..	.351	.398	.39	6	18	....	1.2	.3	...
17	818	1150	..	1	..	7478.10	1	.340	*	.251	.380	.35	7	20	....	.6	.3	280
18	827	1220	..	1	..	7494.10	1	.323	..	.232	.335	.25	8	20	....	.2	.3	275
19	910	1005	..	1	..	343.10	1	.316	..	.219	.325	.24	4	10	....	1.4	.2	300
20	917	1310	..	1	..	367.10	1	.309	..	.207	.321	.23	7	19	....	.6	.3	280

PHASE 3 CODE : H16A14 AREA : 2024 HA
LOCATION : 1-11-11-5-W5 LAT/LONG :
RATING CURVE : FLOW = 3.780 * STAGE*2.409
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 11
WATER QUALITY DATA FOR DUTCH CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1545	..	1	..	5492.10	1	.298	..	.593	.....	.....	4	10	....	3.4	.4	...
2	511	1015	..	1	..	5527.10	4	.289	..	.547	.491	2.19	1	3	....	.4	.2	270
3	513	1515	..	1	..	5732.10	1	.300	..	.604	.312	.67	5	14	....	4.6	.8	250
4	516	1130	..	1	..	5676.10	2	.471	..	1.965	.472	1.98	2	9	....	26.2	3.9	300
5	522	1015	..	1	..	5448.10	1	.371	..	1.052	.455	1.80	1	8	....	3.0	.5	250
6	527	1100	..	1	..	5479.10	1	.346	*	.983	.392	1.22	1	6	....	.4	.4	240
7	531	1200	..	1	..	5772.10	1	.508	..	2.395	.591	3.56	3	7	....	43.6	7.3	200
8	605	1045	..	1	..	5939.10	1	.427	*	1.758	.494	2.23	4	9	....	4.7	1.3	225
9	609	1215	..	1	..	5967.10	1	.534	*	2.554	.552	2.98	3	4	....	14.4	1.8	220
10	622	1440	..	1	..	6026.10	1	.520	*	2.270	.595	3.62	..	..	....	5.6	1.4	220
11	627	1050	..	1	..	6313.10	4	.488	..	2.156	.528	2.65	6	19	....	5.5	1.1	...
12	703	1042	..	1	..	6351.10	1	.395	*	1.140	.495	2.24	5	16	....	4.3	.5	...
13	707	1015	..	1	..	6392.10	1	.410	*	1.509	.464	1.89	5	15	....	3.0	.6	240
14	711	1105	..	1	..	5987.10	1	.370	*	1.166	.406	1.33	6	19	....	2.6	.4	...
15	717	1100	..	1	..	7092.10	1	.335	..	.806	.368	1.03	7	21	....	1.3	.7	...
16	723	1330	..	1	..	7123.10	1	.310	*	.566	.334	.80	7	23	....	2.4	.4	...
17	818	1105	..	1	..	7477.10	1	.258	*	.386	.316	.69	8	20	....	2.5	.6	280
18	827	1210	..	1	..	7493.10	1	.233	..	.312	.250	.37	8	20	....	.6	.3	280
19	910	950	..	1	..	342.10	1	.230	..	.301	.248	.37	5	9	....	2.4	.2	290
20	917	1245	..	1	..	366.10	1	.220	..	.268	.234	.32	7	18	....	1.1	.4	280

PHASE 3 CODE : H16A14 AREA : 5256 HA
LOCATION : 7-11-11-5-W5 LAT/LONG :
RATING CURVE : FLOW = 14.089 * STAGE*2.616
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 12
WATER QUALITY DATA FOR GARDINER CREEK, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCOM	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1500	..	1	..	5501.10	1	.197	..	.509	.....	.....	8	9	....	.2	.2	...
2	512	1100	..	1	..	5722.10	1	.224	..	.715	.228	.75	3	7	....	2.8	.2	198
3	514	1215	..	1	..	5663.10	1	.258	..	1.037	.261	1.07	6	15	....	4.2	.2	195
4	518	1200	..	1	..	5699.10	1	.345	*	2.214	.423	3.82	5	9	....	3.4	1.6	175
5	523	1510	..	1	..	5467.10	1	.325	*	1.194	.390	3.08	6	5	....	.9	.4	185
6	530	1500	..	1	..	5764.10	2	.498	..	5.872	.498	5.87	7	21	....	39.6	7.1	160
7	604	1340	..	1	..	5933.10	1	.305	*	1.772	.535	7.09	7	16	....	5.9	1.0	165
8	610	1310	..	1	..	6054.10	1	.341	*	2.378	.360	2.50	8	17	....	3.8	.9	160
9	616	1545	..	1	..	6087.10	1	.386	..	3.000	.414	3.61	9	23	....	7.5	1.7	...
10	623	1154	..	1	..	6031.10	1	.360	*	2.297	.418	3.70	..	..	....	2.7	.7	160
11	703	1440	..	1	..	6356.10	1	.225	*	.991	.375	2.78	12	23	....	1.6	.2	...
12	705	1320	..	1	..	6375.10	1	.221	*	.916	.238	.84	13	24	....	.0	.3	...
13	708	1350	..	1	..	5970.10	1	.208	*	.641	.228	.75	13	22	....	3.3	.2	...
14	722	1305	..	1	..	7111.10	1	.161	..	.299	.203	.55	12	23	....	1.1	.2	...
15	804	1440	..	1	..	7158.10	1	.145	..	.227	.162	.30	16	26	....	.0	.3	220
16	814	1030	..	1	..	7454.10	1	.136	*	.140	.145	.23	10	14	....	.6	.3	230
17	909	1220	..	1	..	333.10	1	.147	..	.235	.....	.....	8	8	....	5.8	.4	200

PHASE 3 CODE : N16C12C2 AREA : 3950 HA
LOCATION : 13-26-5-4-W5 LAT/LONG :
RATING CURVE : FLOW = 36.892 * STAGE*2.636
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 13
WATER QUALITY DATA FOR GLADSTONE CREEK TRIBUTARY, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC NG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1508	..	1	..	5505.10	1	.468	..	.....	.....	.....	10	14	....	.2	.7	283
2	510	1325	..	1	..	5522.10	1	.469	..	.....	.470	.....	10	8	....	2.1	1.1	300
3	513	1210	..	1	..	5742.10	1	.462	..	.....	.462	.....	8	13	....	1.6	.3	305
4	516	1125	..	1	..	5683.10	2	.477	..	.....	.481	.....	11	10	....	.....	.....	...
5	518	1300	..	1	..	5442.10	1	.448	..	.....	.494	.....	13	9	....	2.0	.6	320
6	523	1100	..	1	..	5464.10	1	.446	..	.....	.461	.....	10	5	....	.4	.6	325
7	530	1245	..	1	..	5782.10	1	.430	..	.....	.456	.....	16	18	....	3.1	1.7	355
8	604	1110	..	1	..	5936.10	1	.428	..	.....	.435	.....	12	14	....	2.0	1.0	295
9	607	1130	..	1	..	5957.10	1	.428	..	.....	.434	.....	12	13	....	2.8	.9	305
10	611	1300	..	1	..	6062.10	1	.441	..	.....	.455	.....	15	18	....	4.4	1.6	290
11	615	1400	..	1	..	6079.10	..	.435	..	.....	.450	.....	13	21	....	4.6	2.5	290
12	621	1450	..	1	..	6015.10	1	.446	..	.....	.....	.....	11	7	....	35.1	23.0	149
13	625	1245	..	1	..	6045.10	1	.434	..	.....	.....	.....	16	20	....	1.3	.7	275
14	701	1415	..	1	..	6340.10	1	.414	..	.....	.425	.....	17	18	....	12.0	2.0	...
15	706	1130	..	1	..	6385.10	1	.412	..	.....	.428	.....	17	20	....	3.3	.8	265
16	710	1200	..	1	..	5981.10	1	.430	..	.....	.....	.....	18	20	....	1.2	.2	...
17	716	1140	..	1	..	5993.10	1	.411	..	.....	.423	.....	16	22	....	9.6	5.0	...
18	731	1215	..	1	..	7139.10	1	.407	..	.....	.410	.....	14	24	....	9.8	2.5	400
19	806	1300	..	1	..	7169.10	1	.404	..	.....	.....	.....	17	23	....	5.1	1.6	410
20	813	1145	..	1	..	7449.10	1	.407	..	.....	.407	.....	15	17	....	7.0	3.1	330
21	910	1530	..	1	..	347.10	1	.490	..	.....	.....	.....	9	10	....	10.7	2.1	370
22	918	1145	..	1	..	373.10	1	.475	..	.....	.481	.....	9	19	....	2.9	.3	430

PHASE 3 CODE : N16C10B1 AREA : 190 HA
LOCATION : 6-17-5-2-W5 LAT/LONG :

TABLE 14
WATER QUALITY DATA FOR GLADSTONE CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1417	..	1	..	5511.10	1	.186	..	.234	.....	.....	5	14	....	4.3	2.6	213
2	510	....	..	1	..	5524.10	2	.225	*	.394	.240	.48	3	7	....	2.8	.2	201
3	513	1140	..	1	..	5741.10	1	.214	..	.346	.225	.40	4	11	....	.2	.1	205
4	516	1040	..	1	..	5682.10	2	.378	*	1.326	.404	2.04	2	9	....	14.8	2.4	106
5	518	1230	..	1	..	5441.10	1	.294	*	1.015	.385	1.78	4	9	....	1.4	.2	170
6	523	....	..	1	..	5463.10	1	.272	*	.595	.292	.82	4	5	....	.2	.1	190
7	530	1215	..	1	..	5781.10	2	.319	*	1.348	.322	1.08	7	13	....	.4	.2	240
8	604	1100	..	1	..	5725.10	1	.250	*	.597	.378	1.69	5	16	....	1.3	.4	170
9	607	1115	..	1	..	5955.10	1	.258	*	.625	.268	.65	5	12	....	.0	.2	180
10	611	1230	..	1	..	6061.10	1	.279	..	.726	.300	.89	6	16	....	.6	.3	180
11	615	1400	..	1	..	6078.10	1	.285	..	.770	.293	.83	7	21	....	.2	.2	180
12	621	1400	..	1	..	6014.10	1	.281	..	.740	.307	.95	4	8	....	10.6	4.2	180
13	625	1217	..	1	..	6044.10	1	.273	*	.584	.312	.99	8	19	....	.4	.3	189
14	701	1330	..	1	..	6339.10	1	.223	*	.378	.270	.66	10	17	....	3.2	.5	...
15	706	1100	..	1	..	6384.10	1	.205	..	.307	.223	.39	9	19	....	.2	.1	220
16	710	1130	..	1	..	5980.10	1	.182	*	.220	.200	.29	9	15	....	4.8	2.3	...
17	716	1100	..	1	..	5992.10	1	.167	..	.173	.184	.23	10	18	....	1.0	.2	...
18	725	1130	..	1	..	7119.10	1	.151	..	.131	.165	.17	11	21	....	.2	.2	...
19	731	1106	..	1	..	7136.10	1	.151	..	.106	.175	.20	10	15	....	.4	.2	265
20	806	1440	..	1	..	7168.10	1	.147	..	.121	.177	.20	14	23	....	.4	.2	270
21	813	1055	..	1	..	7448.10	1	.137	*	.095	.148	.12	10	14	....	1.7	.3	270
22	910	1505	..	1	..	346.10	1	.136	..	.098	.182	.22	10	15	....	.8	.1	290
23	918	1120	..	1	..	372.10	1	.130	..	.086	.138	.10	7	19	....	.0	.2	280

PHASE 3 CODE : N16C10B1 AREA : 1732 HA
LOCATION : 8-9-5-2-W5 LAT/LONG :
RATING CURVE : FLOW = 25.595 * STAGE*2.791
COMMENTS : FLOWS CALCULATED USING CREST GAUGE MEASUREMENTS.

TABLE 15
WATER QUALITY DATA FOR GOAT CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	512	930	..	1	..	5718.10	1	.297	..	.....	.....	.....	3	6	....	.6	.1	260
2	514	1030	..	1	..	5746.10	2	.339	..	.....	.340	.....	4	13	....	2.6	.1	255
3	518	1020	..	1	..	5696.10	1	.433	..	.....	.513	.....	3	9	....	2.8	.3	235
4	523	1440	..	1	..	5761.10	..	.405	..	.....	.461	.....	4	5	....	2.4	47.0	235
5	531	1200	..	1	..	5777.10	1	.524	..	.....	.588	.....	4	5	....	21.6	1.0	215
6	604	1420	..	1	..	5935.10	1	.400	..	.....	.520	.....	6	14	....	1.4	1.0	225
7	610	1615	..	1	..	6057.10	1	.411	..	.....	.436	.....	7	15	....	1.9	.4	225
8	616	1430	..	1	..	6082.10	1	.445	..	.....	.476	.....	7	21	....	1.5	.3	...
9	623	1312	..	1	..	6033.10	1	.373	..	.....	.452	.....	..	..	....	1.1	.4	218
10	627	1510	..	1	..	6336.10	1	.378	..	.....	.403	.....	9	23	....	.6	.2	...
11	705	1410	..	1	..	6377.10	1	.327	..	.....	.385	.....	9	18	....	.4	.2	...
12	708	1435	..	1	..	5972.10	1	.310	..	.....	.338	.....	9	17	....	2.9	.3	...
13	722	1345	..	1	..	7112.10	1	.257	..	.....	.310	.....	9	24	....	.9	.2	...
14	801	1140	..	1	..	7142.10	1	.235	..	.....	.253	.....	9	19	....	4.5	.8	250
15	808	1500	..	1	..	7445.10	1	.221	*	.280	.284	.....	12	25	....	4.8	.7	260
16	814	940	..	1	..	7453.10	1	.200	..	.....	.220	.....	7	13	....	1.4	.5	270
17	816	1420	..	1	..	7460.10	1	.190	*	.212	.205	.....	11	21	....	2.2	.7	275
18	909	1300	..	1	..	335.10	1	.205	..	.....	.....	.....	8	11	....	11.4	9.3	250

PHASE 3 CODE : H16C12 AREA : 2750 HA
LOCATION : 1-29-6-4-W5 LAT/LONG :

TABLE 16
WATER QUALITY DATA FOR HIDDEN CREEK SOUTH, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI NR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	504	1530	..	1	..	5498.10	1	.214	..	.043	.....	.....	2	6	....	.0	.1	...
2	509	1155	..	1	..	5518.10	2	.231	..	.059	.231	.06	2	5	....	.0	.1	240
3	511	1420	..	1	..	5711.10	1	.224	*	.033	.228	.06	2	5	....	.0	.0	270
4	513	1115	..	1	..	5730.10	1	.223	*	.038	.235	.06	3	11	....	.4	.1	255
5	518	1200	..	1	..	5689.10	1	.304	*	.192	.342	.29	4	..	....	3.2	.2	235
6	525	1100	..	1	..	5471.10	1	.288	*	.187	.317	.21	3	5	....	2.3	.3	230
7	601	1245	..	1	..	5783.10	1	.376	..	.422	.477	1.10	4	14	18.6	4.5	.6	215
8	613	1140	..	1	..	6071.10	1	.441	*	.875	.496	1.29	5	20	....	5.5	.7	205
9	618	1330	..	1	..	6004.10	1	.461	*	.914	.560	2.10	6	20	....	3.0	1.4	...
10	624	1701	..	..	..	6041.10	1	.575	*	1.496	.575	2.34	6	20	....	19.2	3.6	180
11	627	1430	..	..	..	6316.10	4	.477	*	.927	.556	2.04	8	..	20.5	5.7	.5	...
12	704	1030	..	1	..	6368.10	1	.338	*	.515	.444	.82	4	12	....	1.5	.4	...
13	709	1120	..	1	..	5975.10	1	.361	*	.524	.....	.....	6	16	....	3.4	.3	...
14	724	1220	..	1	..	7115.10	1	.289	..	.146	.352	.32	8	23	....	.4	.2	...
15	802	1210	..	1	..	7147.10	1	.276	..	.121	.419	.65	7	17	....	.8	.3	230
16	809	1345	..	1	..	7463.10	1	.270	..	.111	.281	.13	10	24	....	1.1	2.3	230
17	817	1100	..	1	..	7466.10	1	.243	..	.073	.268	.11	7	25	....	1.4	.4	235
18	830	1050	..	1	..	312.10	1	.228	..	.056	.252	.08	4	15	....	.8	.2	2
19	908	1230	..	1	..	328.10	1	.220	*	.049	.225	.05	5	13	....	2.4	.3	230
20	919	1120	..	1	..	378.10	1	.....	..	.....	.....	.....	7	10	....	.7	.2	250

PHASE 3 CODE : N16A14 AREA : 1420 HA
LOCATION : 7-11-12-5-W5 LAT/LONG :
RATING CURVE : FLOW = 21.810 * STAGE**4.033
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 17
WATER QUALITY DATA FOR HIDDEN CREEK SOUTH TRIB, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	504	1620	..	1	..	5499.10	..	.156	..	.035	.....	.....	1	6	....	.0	.2	...
2	509	1135	..	1	..	5515.10	1	.161	..	.038	.166	.04	0	6	....	.0	.2	198
3	511	1225	..	1	..	5709.10	4	.126	..	.019	.172	.05	0	7	....	1.7	.3	225
4	513	1000	..	1	..	5728.10	1	.127	..	.019	.141	.03	0	14	....	1.4	.2	202
5	518	1230	..	1	..	5690.10	1	.245	..	.122	.300	.21	..	..	....	11.0	1.9	135
6	525	1200	..	1	..	.....	1	.240	*	.102	.286	.19	2	11	....	3.1	2.5	130
7	601	1330	..	1	..	5785.10	1	.251	..	.130	.284	.18	2	11	....	3.1	2.5	130
8	613	1220	..	1	..	6072.10	1	.266	*	.181	.312	.24	5	21	....	.4	2.1	125
9	618	1400	..	1	..	6005.10	1	.231	*	.098	.258	.14	8	20	....	13.7	1.2	...
10	627	1430	..	1	..	6317.10	4	.242	*	.098	.305	.22	10	20	....	2.1	2.1	...
11	704	1110	..	1	..	6369.10	1	.195	*	.079	.254	.13	6	15	....	1.7	.8	...
12	709	1200	..	1	..	5976.10	1	.191	*	.063	.255	.14	7	20	....	3.0	.9	...
13	724	1300	..	1	..	7116.10	1	.132	*	.021	.18	.06	11	23	....	.2	.3	...
14	802	1130	..	1	..	7145.10	1	.122	*	.017	.155	.03	11	20	....	.6	.3	205
15	809	1400	..	1	..	7464.10	1	.117	..	.015	.138	.02	13	25	....	1.2	3.3	620
16	817	1115	..	1	..	7467.10	1	.101	..	.010	.097	.01	9	16	....	1.0	.3	220
17	830	1106	..	1	..	313.10	1	.086	..	.007	.100	.01	5	14	....	.7	2.3	210
18	908	1120	..	1	..	326.10	1	.075	..	.004	.085	.01	5	13	....	2.8	2.3	220
19	919	1125	..	1	..	379.10	1	.071	..	.004	.083	.01	7	10	....	.0	.3	240

PHASE 3 CODE : H16A14 AREA : 940 HA
LOCATION : 4-12-12-5-W5 LAT/LONG :
RATING CURVE : FLOW = 6.184 * STAGE*2.792
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 18
WATER QUALITY DATA FOR HIDDEN CREEK, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	504	1515	..	1	..	5497.10	1	.258	..	.129	.....	.....	2	6	....	.0	.1	...
2	509	1150	..	1	..	5517.10	1	.220	..	.067	.260	.13	2	8	....	.0	.1	240
3	511	1150	..	1	..	5710.10	1	.225	*	.070	.255	.12	2	5	....	.2	.1	270
4	513	1030	..	1	..	5729.10	1	.221	*	.064	.230	.08	2	11	6.8	3.1	.1	255
5	518	1130	..	1	..	5688.10	1	.295	*	.222	.350	.46	5	..	18.4	3.0	.3	245
6	525	1200	..	1	..	.....	1	.294	*	.240	.330	.36	3	8	18.6	.....	.....	...
7	601	1300	..	1	..	5784.10	1	.381	..	.649	.....	.....	4	14	....	4.6	.6	225
8	613	1110	..	1	..	6070.10	2	.411	*	.906	.418	.95	5	20	34.6	9.8	1.0	210
9	618	1200	..	1	..	6003.10	1	.436	*	1.214	.476	1.63	5	25	9.9	6.5	.6	...
10	624	1626	..	1	..	6040.10	..	.430	*	1.108	.445	1.24	6	20	36.6	6.1	1.6	208
11	627	1400	..	1	..	6314.10	4	.450	..	1.295	.469	1.54	7	21	....	4.9	1.4	...
12	704	1010	..	1	..	6367.10	1	.397	*	.679	.445	1.24	4	12	2.4	8.5	.5	...
13	709	1050	..	1	..	5974.10	1	.386	*	.626	.415	.93	5	16	25.0	2.7	.4	...
14	724	1150	..	1	..	7114.10	1	.334	*	.388	.381	.65	7	23	.0	3.4	.4	...
15	802	1200	..	1	..	7146.10	1	.321	..	.319	.348	.45	7	17	21.8	1.2	.4	225
16	809	1330	..	1	..	7462.10	1	.315	..	.295	.328	.35	8	24	12.8	2.6	.3	230
17	817	1044	..	1	..	7465.10	1	.285	..	.195	.307	.27	6	25	1.8	2.6	.4	225
18	830	1044	..	1	..	311.10	1	.262	..	.138	.288	.20	4	15	22.0	.4	.3	280
19	908	1155	..	1	..	327.10	1	.255	*	.137	.263	.14	5	13	9.0	10.0	.6	225
20	919	1100	..	1	..	377.10	1	.261	..	.135	.269	.15	5	10	9.2	.0	.4	250

PHASE 3 CODE : H16A14 AREA : 1790 HA
LOCATION : 7-11-12-5-W5 LAT/LONG :
RATING CURVE : FLOW = 35.431 * STAGE**4.144
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 19
WATER QUALITY DATA FOR HONEYMOON CREEK, BOW/CROW FOREST, 1984
JUNE 17, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	617	1320	..	1	..	6089.10	1	.301	..	.628	.....	.....	5	16	....	2.7	.8	...
2	621	1302	..	1	..	6019.10	1	.293	*	.549	.312	.70	..	..	....	4.0	1.4	143
3	625	1158	..	1	..	6323.10	1	.308	*	.494	.339	.89	6	18	....	.8	1.8	140
4	704	1015	..	1	..	6362.10	1	.243	*	.467	.305	.65	7	14	....	1.0	.4	...
5	718	1215	..	1	..	7097.10	1	.177	*	.230	.250	.37	7	18	....	2.8	.4	200
6	803	1135	..	1	..	7151.10	1	.161	*	.120	.203	.20	10	20	....	1.0	.2	220
7	807	1145	..	1	..	7172.10	1	.149	*	.043	.159	.10	9	20	....	.4	.3	230
8	822	958	..	1	..	7484.10	1	.132	..	.058	.....	.....	10	12	....	.4	.1	240
9	829	1255	..	1	..	305.10	1	.122	..	.046	.151	.09	6	15	....	.6	.2	235
10	907	1255	..	1	..	321.10	1	.125	..	.049	.130	.06	7	0	....	.7	.3	240
11	919	1020	..	1	..	396.10	1	.131	..	.057	.138	.07	6	8	....	.0	.2	260

PHASE 3 CODE : H16A14 AREA : 2450 HA
LOCATION : 15-25-12-5-W5 LAT/LONG :
RATING CURVE : FLOW = 20.307 * STAGE*2.895
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 20
WATER QUALITY DATA FOR LOST CREEK NORTH, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1330	..	1	..	5502.10	1	.264	..	.534	.....	.....	5	11	....	.2	.2	...
2	512	1200	..	1	..	5724.10	1	.304	..	.823	.311	.88	3	4	....	1.8	.2	190
3	514	1115	..	1	..	5748.10	1	.348	..	1.245	.353	1.30	4	14	....	3.5	.3	183
4	518	1330	..	1	..	5700.10	1	.417	*	2.583	.516	4.16	4	9	....	4.3	.6	175
5	523	245	..	1	..	5466.10	1	.395	*	1.520	.508	3.96	6	5	....	1.6	.4	185
6	530	1525	..	1	..	5765.10	2	.503	..	3.844	.503	3.84	6	18	....	32.4	5.7	160
7	604	1310	..	1	..	5929.10	1	.398	*	1.898	.566	5.52	6	16	....	4.5	.8	180
8	610	1040	..	1	..	6051.10	1	.391	*	1.552	.434	2.45	5	8	....	2.6	.3	180
9	616	1510	..	1	..	6084.10	1	.436	..	2.482	.464	3.00	8	22	....	3.3	.3	...
10	623	1057	..	1	..	6029.10	..	.331	..	1.068	.404	1.97	..	..	....	1.8	.4	182
11	703	1355	..	1	..	6354.10	1	.333	*	.919	.416	2.15	9	25	....	1.9	.2	...
12	705	1215	..	1	..	6372.10	1	.330	*	1.280	.332	1.08	9	19	....	2.6	.5	...
13	708	1240	..	1	..	6396.10	1	.311	*	1.039	.330	1.06	8	16	....	1.3	.3	210
14	722	1205	..	1	..	7108.10	1	.242	..	.409	.287	.69	9	21	....	2.0	.2	...
15	804	1340	..	1	..	7156.10	1	.250	..	.452	.410	2.06	11	26	....	52.7	8.3	215
16	814	1240	..	1	..	7457.10	1	.198	*	.211	.255	.48	9	15	....	8.7	2.0	240
17	909	1123	..	1	..	331.10	1	.317	..	.936	.322	.98	6	10	....	129.6	47.0	180
18	917	1510	..	1	..	368.10	1	.197	..	.218	.211	.27	10	22	....	2.6	.4	245

PHASE 3 CODE : H16C12C5 AREA : 2999 HA
LOCATION : 12-4-6-4-W5 LAT/LONG :
RATING CURVE : FLOW = 31.505 x STAGE*3.061
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 21
WATER QUALITY DATA FOR LOST CREEK SOUTH, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1340	..	1	..	5500.10	1	.241	..	.432	.....	.....	5	10	....	.6	.2	...
2	512	1150	..	1	..	5723.10	1	.274	..	.645	.281	.70	2	2	....	4.8	.6	143
3	514	1130	..	1	..	5661.10	1	.313	..	.977	.318	1.03	5	14	....	3.3	.4	175
4	518	1340	..	1	..	5701.10	1	.367	*	1.540	.484	3.80	5	8	....	4.8	.9	180
5	523	1430	..	1	..	5465.10	1	.356	*	1.475	.442	2.86	5	5	....	1.5	1.0	175
6	530	1540	..	1	..	5766.10	2	.474	..	3.561	.474	3.56	6	16	....	25.7	5.0	160
7	604	1315	..	1	..	5930.10	1	.339	*	1.360	.514	4.58	6	16	....	4.8	.9	175
8	610	1145	..	1	..	6052.10	1	.364	*	1.313	.373	1.69	6	11	....	2.5	.5	180
9	616	1525	..	1	..	6085.10	1	.381	..	1.803	.417	2.39	8	23	....	3.5	.5	...
10	623	1040	..	1	..	6028.10	1	.331	*	1.097	.457	3.18	..	..	....	1.4	.4	185
11	703	1410	..	1	..	6355.10	1	.273	*	.802	.355	1.45	10	24	....	2.5	.3	...
12	705	1230	..	1	..	6373.10	1	.267	*	.763	.278	.67	10	19	....	.8	.5	...
13	708	1300	..	1	..	6397.10	1	.264	*	.498	.286	.74	7	14	....	2.7	.3	...
14	722	1220	..	1	..	7108.10	1	.216	..	.307	.251	.49	8	16	....	2.9	.3	...
15	804	1340	..	1	..	7157.10	1	.205	*	.240	.243	.44	13	26	....	3.0	.5	220
16	814	1207	..	1	..	7456.10	1	.178	*	.157	.195	.22	9	17	....	.0	.4	240
17	909	1100	..	1	..	330.10	1	.224	..	.344	.280	.69	6	10	....	26.1	18.0	195
18	917	1515	..	1	..	369.10	1	.166	..	.135	.178	.17	10	21	....	.6	.3	250

PHASE 3 CODE : H16C12C4 AREA : 2607 HA
LOCATION : 9-5-6-4-W5 LAT/LONG :
RATING CURVE : FLOW = 33.791 * STAGE*3.046
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 22
WATER QUALITY DATA FOR LYNX CREEK TRIBUTARY, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	512	1030	..	1	..	5720.10	1	.092	..	.085	.....	.....	5	9	....	1.6	.5	150
2	514	1045	..	1	..	5747.10	1	.118	..	.205	.119	.21	4	13	....	.8	.7	140
3	518	1040	..	1	..	5697.10	1	.150	*	.383	.171	.76	3	10	....	.4	5.1	109
4	523	1420	..	1	..	5760.10	1	.118	*	.271	.147	.45	5	9	....	3.6	2.5	110
5	531	1100	..	1	..	5776.10	1	.103	*	.165	.118	.20	5	8	....	1.0	.5	125
6	604	....	..	1	..	5934.10	1	.097	*	.102	.105	.14	8	16	....	.....	.....	...
7	610	1425	..	1	..	6055.10	1	.090	*	.060	.095	.10	10	15	....	.0	.5	145
8	616	1450	..	1	..	6083.10	1	.078	..	.047	.090	.08	14	22	....	.2	.2	...
9	623	1230	..	1	..	6032.10	1	.085	*	.061	.100	.11	..	9	....	.4	.3	165
10	627	1530	..	1	..	6337.10	1	.074	..	.039	.080	.05	15	24	....	.6	.3	...
11	705	1350	..	1	..	6376.10	1	.060	..	.019	.075	.04	15	24	....	.2	.2	...
12	708	1415	..	1	..	5971.10	1	.056	..	.015	.060	.02	14	26	....	2.5	.4	...
13	801	1310	..	1	..	7143.10	1	.....	..	.....	.....	.....	15	20	....	1.5	.4	255
14	814	950	..	1	..	7452.10	1	.055	..	.014	.062	.02	13	14	....	.0	.2	265
15	909	1247	..	1	..	334.10	1	.....	..	.....	.....	.....	..	..	....	.2	.2	250

PHASE 3 CODE : N16C12 AREA : 1880 HA
LOCATION : 12-12-6-4-W5 LAT/LONG :
RATING CURVE : FLOW = 395.85 * STAGE*3.541
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 23
WATER QUALITY DATA FOR LYNX CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI NR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	512	1000	..	1	..	5719.10	1	.222	..	.465	.....	.....	4	6	....	1.9	.1	258
2	514	1015	..	1	..	5745.10	1	.255	..	.725	.259	.76	3	16	....	2.3	.2	230
3	518	1000	..	1	..	5695.10	2	.318	*	1.397	.381	2.62	2	9	....	3.2	.4	210
4	523	1500	..	1	..	5762.10	1	.310	*	1.537	.349	1.98	4	5	....	1.8	.5	225
5	531	1230	..	1	..	5778.10	1	.392	..	2.867	.421	3.60	8	4	....	33.9	7.7	215
6	604	1435	..	1	..	5945.10	1	.307	*	1.385	.334	1.72	6	14	....	2.7	.6	230
7	610	1510	..	1	..	6056.10	1	.315	*	1.220	.339	1.80	7	15	....	2.2	.5	230
8	616	1415	..	1	..	6081.10	1	.328	*	1.489	.362	2.22	7	22	....	4.6	.8	225
9	623	1327	..	1	..	6034.10	1	.293	*	1.101	.342	1.85	..	..	....	2.0	.4	240
10	627	1445	..	1	..	6335.10	1	.286	*	1.148	.310	1.35	8	23	....	1.5	.3	...
11	705	1420	..	1	..	6378.10	1	.250	*	.748	.290	1.09	10	19	....	1.4	.3	240
12	708	1450	..	1	..	5973.10	1	.239	*	.594	.251	.69	10	17	....	4.6	.3	...
13	722	1300	..	1	..	7113.10	1	.195	..	.307	.237	.57	10	20	....	.7	.3	...
14	801	1045	..	1	..	7141.10	1	.164	..	.177	.186	.26	9	18	....	4.6	.6	270
15	814	915	..	1	..	7451.10	1	.141	*	.085	.195	.31	7	13	....	3.8	.3	270
16	816	1500	..	1	..	7461.10	1	.132	*	.106	.140	.11	13	22	....	14.8	1.6	235
17	909	1315	..	1	..	336.10	1	.140	..	.106	.142	.11	8	11	....	.0	.4	275

PHASE 3 CODE : N16C12 AREA : 2760 HA
LOCATION : 11-32-6-4-W5 LAT/LONG :
RATING CURVE : FLOW = 57.327 * STAGE*3.199
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 24
WATER QUALITY DATA FOR MILL CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1740	..	1	..	5508.10	1	.217	..	.214	.....	.....	10	11	....	.0	.1	270
2	510	1030	..	1	..	5523.10	2	.232	*	.270	.232	.25	5	5	....	2.2	.1	275
3	513	1240	..	1	..	5743.10	1	.261	..	.340	.266	.36	6	13	7.4	.4	.0	280
4	516	1205	..	1	..	5684.10	1	.285	*	.442	.302	.49	7	9	26.0	.2	.1	280
5	518	1130	..	1	..	5704.10	2	.546	*	2.448	.552	2.26	6	9	3.8	6.7	.6	250
6	523	945	..	1	..	5462.10	1	.504	..	1.793	.554	2.28	5	5	1.0	.2	.1	258
7	528	1405	..	1	..	5751.10	1	.458	*	1.291	.505	1.80	8	11	8.8	.8	.1	260
8	530	1015	..	1	..	5779.10	2	.582	..	2.579	.585	2.61	7	23	.0	9.4	.9	230
9	604	955	..	1	..	5932.10	1	.524	*	1.970	.675	3.75	6	14	3.6	5.2	.8	225
10	607	1000	..	1	..	5954.10	1	.514	*	1.912	.525	1.99	6	10	1.6	.6	.3	230
11	611	1200	..	1	..	6060.10	1	.519	*	2.026	.522	1.96	8	13	22.4	.6	.3	230
12	614	1310	..	1	..	6077.10	2	.575	..	2.501	.575	2.50	8	21	9.7	3.7	1.0	215
13	621	1230	..	1	..	6007.10	1	.518	..	1.922	.589	2.66	6	10	16.2	5.7	3.6	...
14	621	1230	..	1	..	6008.13	..	.....	..	1.922	.....	.....	..	..	....	1163.1	43.0	...
15	621	1230	..	1	..	6009.14	..	.....	..	1.922	.....	.....	..	..	....	1.0	2.2	...
16	621	1230	..	1	..	6010.13	..	.....	..	1.922	.....	.....	..	..	....	74.8	6.4	...
17	621	1230	..	1	..	6011.13	..	.....	..	1.922	.....	.....	..	..	....	12.1	6.6	...
18	621	1230	..	1	..	6012.13	..	.....	..	1.922	.....	.....	..	..	....	9.0	3.6	...
19	621	1230	..	1	..	6013.13	..	.....	..	1.922	.....	.....	..	..	....	11.3	7.2	...
20	625	1021	..	1	..	6043.10	1	.549	*	2.434	.....	.....	8	17	17.0	.4	.3	220
21	701	1500	..	1	..	6341.10	1	.479	..	1.577	.525	1.99	11	18	1.0	3.4	.2	...
22	706	940	..	1	..	6382.10	1	.425	*	.886	.468	1.49	8	16	....	.8	1.9	260
23	710	1015	..	1	..	5978.10	1	.402	..	1.013	.420	1.13	9	15	.0	2.3	.2	...
24	716	1015	..	1	..	5991.10	1	.386	..	.914	.400	1.00	9	17	.0	1.5	.3	...
25	725	1055	..	1	..	7118.10	1	.347	..	.699	.378	.87	10	20	....	.0	.2	...
26	731	1010	..	1	..	7138.10	1	.331	..	.620	.354	.73	8	16	29.4	1.5	.2	270
27	806	1300	..	1	..	7167.10	1	.312	*	.534	.328	.61	12	22	5.8	1.0	.3	275
28	813	1010	..	1	..	7447.10	1	.310	..	.526	.331	.62	8	15	8.0	1.4	.2	270
29	831	850	..	1	..	315.10	1	.274	..	.385	.310	.53	6	10	4.2	1.2	.3	265
30	910	1410	..	1	..	345.10	1	.160	..	.099	.177	.13	10	16	33.0	1.5	.3	280
31	918	1035	..	1	..	371.10	1	.243	..	.284	.251	.31	8	18	9.0	.0	.2	275

PHASE 3 CODE : H16C10C1 AREA : 5245 HA
LOCATION : 11-11-5-2-W5 LAT/LONG :
RATING CURVE : FLOW = 10.116 * STAGE*2.525
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.STANDARD RAIN GAUGE.

TABLE 25
WATER QUALITY DATA FOR OHAGEN CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 9, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	512	1240	..	1	..	5725.10	1	.211	..	.274	.....	.....	6	8	....	3.8	2.9	220
2	514	1230	..	1	..	5664.10	..	.214	..	.304	.218	.35	6	15	....	.6	.1	220
3	518	1415	..	1	..	5702.10	1	.216	*	.263	.284	2.56	6	11	....	.0	.4	205
4	523	1400	..	1	..	5470.10	1	.193	*	.193	.224	.43	6	8	....	.8	.2	210
5	531	930	..	1	..	5775.10	1	.171	*	.068	.201	.19	6	8	....	3.7	.3	245
6	604	1240	..	1	..	5928.10	1	.152	*	.018	.168	.05	9	16	....	1.2	.3	250
7	610	950	..	1	..	6050.10	1	.167	*	.060	.168	.05	7	12	....	.8	.2	255
8	616	1600	..	1	..	6088.10	1	.141	..	.013	.164	.04	14	22	....	.2	.2	...
9	623	941	..	1	..	6027.10	1	.179	*	.060	.195	.15	..	..	....	.4	.3	275
10	705	1145	..	1	..	6371.10	1	.120	..	.004	.178	.08	15	25	....	1.4	.2	...
11	708	1210	..	1	..	6395.10	1	.110	..	.002	.116	.00	15	20	....	1.6	.4	340
12	804	1500	..	1	..	7159.10	1	.108	..	.002	.155	.03	22	26	....	2.4	1.0	385
13	814	1335	..	1	..	7458.10	1	.100	..	.001	.115	.00	20	20	....	2.4	2.0	420
14	909	1025	..	1	..	329.10	1	.....	..	.....	.....	.....	7	12	....	17.3	13.0	405

PHASE 3 CODE : H16C12 AREA : 1430 HA
LOCATION : 2-31-5-3-W5 LAT/LONG :
RATING CURVE : FLOW = 33011.681 * STAGE*7.520
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 26
WATER QUALITY DATA FOR EAST OYSTER CREEK, BOW/CROW FOREST, 1984
MAY 15, 1984 - SEPTEMBER 12, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	515	1230	..	1	..	5672.10	..	.....	..	.....	.....	.....	..	..	....	5.2	3.8	115
2	518	1400	..	1	..	5691.10	..	.....	..	.....	.....	.....	..	..	....	30.5	5.6	100
3	614	1245	..	1	..	6075.10	1	.658	*	.221	.....	.....	7	22	....	7.3	4.2	140
4	627	1115	..	1	..	6333.10	1	.666	..	.210	.....	.....	5	17	....	3.2	3.3	...
5	702	1130	..	1	..	6344.10	1	.647	*	.138	.....	.....	5	15	....	3.7	1.7	...
6	706	1110	..	1	..	6379.10	1	.642	*	.129	.....	.....	5	15	....	2.8	1.0	210
7	711	1235	..	1	..	5997.10	1	.662	..	.083	.....	.....	9	22	....	1.1	.8	...
8	719	1025	..	1	..	7102.10	1	.603	*	.056	.....	.....	8	17	....	2.0	.2	250
9	727	1250	..	1	..	7134.10	1	.591	*	.042	.....	.....	14	25	....	.6	.5	265
10	803	1215	..	1	..	7162.10	4	.585	*	.038	.....	.....	13	20	....	1.2	.4	270
11	818	1000	..	1	..	7470.10	1	.569	..	.025	.....	.....	10	17	....	.....	.....	...
12	912	1140	..	1	..	351.10	1	.580	..	.036	.....	.....	5	5	....	1.5	.7	290

PHASE 3 CODE : H16A14E7 AREA : 929 HA
LOCATION : 4-5-14-5-W5 LAT/LONG :
RATING CURVE : FLOW = 72.463 * STAGE*14.157
COMMENTS : FLOWS MEASURED USING STEVENS WATER LEVEL RECORDER.

**** BCSOYSTERWEST84 BCSOYSTERWEST84

TABLE 27
WATER QUALITY DATA FOR WEST OYSTER CREEK, BOW/CROW FOREST, 1984
MAY 15, 1984 - SEPTEMBER 12, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	515	1255	..	1	..	5673.10	..	.....	..	.....	.....	.....	..	..	....	10.7	1.4	160
2	518	1410	..	1	..	5692.10	1	.....	..	.....	.....	.....	..	..	....	18.6	4.6	150
3	614	1200	..	1	..	6074.10	1	.427	*	.755	.....	.....	5	21	63.0	9.6	2.8	160
4	627	1130	..	1	..	6334.10	4	.400	..	.661	.....	.....	5	17	33.8	7.3	.2	...
5	702	1200	..	1	..	6345.10	4	.343	*	.371	.....	.....	5	16	5.2	4.5	.5	...
6	706	1140	..	1	..	6381.10	1	.325	*	.310	.....	.....	5	17	9.8	3.1	.3	210
7	711	1245	..	1	..	5998.10	1	.300	..	.200	.....	.....	8	23	.4	1.2	.4	...
8	719	1050	..	1	..	7103.10	1	.275	*	.123	.....	.....	7	19	.6	2.4	.3	240
9	727	1315	..	1	..	7135.10	1	.261	*	.111	.....	.....	12	26	14.0	.4	.4	255
10	803	1240	..	1	..	7163.10	1	.252	*	.100	.....	.....	12	22	13.0	.2	.4	260
11	818	....	..	1	..	7471.10	1	.223	..	.071	.....	.....	9	17	24.6	.6	.3	270
12	912	1150	..	1	..	352.10	1	.224	..	.067	.....	.....	4	5	56.2	.0	.2	275

PHASE 3 CODE : H16A14E7 AREA : 1160 HA
LOCATION : 4-5-14-5-W5 LAT/LONG :
RATING CURVE : FLOW = 25.658 * STAGE**4.040
COMMENTS : FLOWS MEASURED USING STEVENS RECORDER.STANDARD RAIN GAUGE.

**** BCSPASQUE84 BCSPASQUE84

TABLE 28
WATER QUALITY DATA FOR PASQUE CREEK, BOW/CROW FOREST, 1984
MAY 15, 1984 - SEPTEMBER 12, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	515	1330	..	1	..	5671.10	..	.....	..	.....	.....	.....	..	..	....	7.4	2.4	120
2	614	940	..	1	..	6073.10	1	.457	*	.686	.....	.....	3	16	....	2.8	2.5	115
3	627	1015	..	1	..	6332.10	4	.417	*	.515	.....	.....	4	14	....	4.0	.1	...
4	702	1100	..	1	..	6343.10	4	.372	*	.234	.....	.....	5	14	....	2.1	.5	...
5	706	1030	..	1	..	6383.10	1	.353	*	.209	.....	.....	6	15	....	2.2	.3	160
6	711	1110	..	1	..	5996.10	1	.327	..	.125	.....	.....	7	20	....	2.0	.3	...
7	719	1200	..	1	..	7104.10	1	.300	*	.073	.....	.....	9	20	....	1.8	.2	185
8	727	1200	..	1	..	7133.10	1	.286	*	.083	.....	.....	12	23	....	.0	.3	200
9	803	1110	..	1	..	7161.10	1	.283	*	.063	.....	.....	10	17	....	.2	.2	200
10	818	930	..	1	..	7469.10	1	.258	..	.043	.....	.....	9	16	....	.6	.3	220
11	912	1230	..	1	..	353.10	1	.259	..	.042	.....	.....	5	7	....	.0	.2	230

PHASE 3 CODE : H16A14E1 AREA : 2151 HA
LOCATION : 5-22-13-5-W5 LAT/LONG :
RATING CURVE : FLOW = 36.108 * STAGE**4.998
COMMENTS : FLOWS MEASURED USING STEVENS RECORDER.STANDARD RAIN GAUGE.

TABLE 29
WATER QUALITY DATA FOR NORTH RACEHORSE-WEST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1630	..	1	..	5491.10	1	.436	..	.117	.....	.....	2	7	....	6.9	.6	...
2	511	1045	..	1	..	5528.10	1	.457	..	.156	.475	.20	1	4	....	4.4	.2	250
3	513	1600	..	1	..	5733.10	2	.463	..	.168	.463	.17	2	14	....	21.5	9.2	245
4	516	1205	..	1	..	5677.10	2	.640	..	1.163	.690	1.82	2	6	....	26.1	5.3	210
5	522	1045	..	1	..	5449.10	1	.513	..	.310	.650	1.28	2	9	....	.2	.7	230
6	527	1400	..	1	..	5483.10	2	.519	*	.265	.519	.33	2	11	....	1.4	.6	240
7	531	1120	..	1	..	5770.10	1	.697	..	1.937	.....	.....	2	7	....	2.7	20.0	200
8	605	1120	..	1	..	5940.10	1	.548	*	.580	.695	1.90	4	9	....	2.0	.6	215
9	609	1225	..	1	..	5968.10	1	.615	*	.762	.642	1.19	4	4	....	6.2	.9	210
10	622	1350	..	1	..	6037.10	1	.580	*	.577	.616	.93	..	..	....	1.2	.5	200
11	627	1010	..	1	..	6328.10	4	.602	..	.807	.628	1.04	5	16	....	1.5	.3	...
12	703	1005	..	1	..	6350.10	1	.490	*	.276	.594	.75	5	15	....	3.2	.3	...
13	707	935	..	1	..	6390.10	1	.496	*	.303	.549	.47	5	14	....	1.6	.6	205
14	711	1030	..	1	..	5985.10	1	.470	*	.218	.511	.30	7	20	....	1.6	.4	...
15	717	1025	..	1	..	7090.10	1	.470	..	.184	.480	.21	7	24	....	2.0	.4	...
16	723	1500	..	1	..	7124.10	1	.425	*	.107	.461	.16	9	20	....	2.6	.5	...
17	808	1100	..	1	..	7443.10	1	.390	*	.046	.440	.12	9	21	....	2.2	.2	265
18	818	1025	..	1	..	7475.10	1	.367	..	.042	.398	.07	10	20	....	.6	.4	275
19	827	1140	..	1	..	7491.10	1	.355	..	.034	.367	.04	10	20	....	.2	.1	285
20	910	915	..	1	..	340.10	1	.355	..	.034	.375	.05	6	8	....	1.2	.3	290
21	917	1225	..	1	..	363.10	1	.344	..	.028	.362	.04	7	18	....	.0	.3	290

PHASE 3 CODE : N16A16 AREA : 728 HA
LOCATION : 5-24-10-5-W5 LAT/LONG :
RATING CURVE : FLOW = 16.747 * STAGE*5.976
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

**** BCSRACENORTH84

TABLE 30

WATER QUALITY DATA FOR NORTH RACEHORSE CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1630	..	1	..	5490.10	1						3	7	....	3.7	.4	...
2	511	1055	..	1	..	5705.10	1	.219	..	.426	.....	.....	1	4	....	2.1	.4	250
3	513	1630	..	1	..	5734.10	2	.236	..	.577	.300	1.52	4	14	....	20.4	1.4	220
4	516	1240	..	1	..	5678.10	2	.270	..	.994	.270	.99	2	6	....	44.2	5.3	173
5	522	1130	..	1	..	5450.10	1	.498	..	11.840	.498	11.84	3	7	....	.8	.8	195
6	527	1412	..	1	..	5484.10	1	.301	*	2.012	.441	7.24	3	11	....	2.1	1.2	200
7	531	1130	..	1	..	5771.10	1	.270	*	1.484	.312	1.79	2	6	....	21.3	5.0	160
8	605	1125	..	1	..	5941.10	1	.424	..	6.176	.501	12.13	4	9	....	3.1	.8	120
9	609	1315	..	1	..	6046.10	1	.328	*	2.133	.440	7.17	4	4	....	10.2	1.9	120
10	622	1400	..	1	..	6038.10	1	.437	..	6.978	.467	9.13	4		....	7.0	.9	190
11	627	1030	..	1	..	6329.10	1	.397	*	2.758	.432	6.66	..	..	....	2.5	1.4	...
12	703	1015	..	1	..	6349.10	1	.341	..	2.558	.375	3.76	6	16	....	4.9	.3	...
13	707	945	..	1	..	6391.10	1	.268	*	1.457	.326	2.13	6	15	....	2.8	.4	215
14	711	1040	..	1	..	5986.10	1	.280	*	1.382	.338	2.47	6	14	....	3.0	.4	...
15	717	1040	..	1	..	7091.10	1	.259	*	.768	.279	1.14	8	15	....	.7	.5	...
16	724	1520	..	1	..	7125.10	1	.230	..	.520	.249	.72	9	13	....	1.3	.4	...
17	730	1135	..	1	..	7132.10	1	.212	*	.246	.225	.48	12	20	....	.6	.4	...
18	808	1300	..	1	..	7444.10	1	.203	..	.314	.204	.32	10	13	....	3.4	3.0	245
19	818	1040	..	1	..	7476.10	1	.180	*	.160	.198	.28	14	25	....	1.1	.4	255
20	827	1145	..	1	..	7492.10	1	.155	..	.105	.168	.15	11	17	....	.8	.4	255
21	910	920	..	1	..	341.10	1	.142	..	.074	.156	.11	11	19	....	.8	.2	265
22	917	1225	..	1	..	365.10	1	.159	..	.117	.175	.17	6	8	....	.8	.4	260
								.148	..	.087	.165	.14	9	18	....			

PHASE 3 CODE : #16A16
LOCATION : 5-24-10-5-W5 AREA : 2682 HA
RATING CURVE : FLOW = 198.818 x STAGE**4.046 LAT/LONG :
COMMENTS : FLOWS MEASURED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 31
WATER QUALITY DATA FOR SOUTH RACEHORSE-S.-TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1735	..	1	..	5495.10	1	.276	..	.276	.....	.....	2	7	....	4.9	1.7	...
2	511	1125	..	1	..	5707.10	1	.321	..	.392	.464	.93	1	4	....	1.5	2.8	100
3	513	1735	..	1	..	5737.10	1	.299	..	.332	.322	.40	1	14	....	3.3	4.3	93
4	517	1450	..	1	..	5445.10	1	.432	..	.784	.546	1.35	2	12	....	15.6	8.1	65
5	522	1330	..	1	..	5453.10	1	.350	*	.262	.450	.86	2	7	....	1.1	4.3	75
6	527	1245	..	1	..	5481.10	1	.320	..	.389	.370	.55	1	11	....	2.5	3.4	70
7	531	1050	..	1	..	5768.10	1	.369	..	.543	.532	1.28	1	7	....	16.7	6.7	60
8	605	1315	..	1	..	5944.10	1	.287	..	.302	.379	.58	4	8	....	.....	.....	...
9	609	1500	..	1	..	6049.10	2	.372	*	.728	.372	.55	3	4	....	7.7	5.1	100
10	622	1018	..	1	..	5035.10	1	.315	*	.425	.358	.51	..	..	....	2.8	5.4	85
11	627	935	..	1	..	6311.10	1	.265	..	.251	.360	.51	6	13	....	.4	2.8	...
12	703	930	..	1	..	6347.10	1	.209	*	.144	.262	.24	5	9	....	2.7	.9	...
13	707	830	..	1	..	6387.10	1	.305	*	.390	.337	.44	5	11	....	1.3	.7	115
14	711	945	..	1	..	5983.10	1	.165	*	.103	.190	.12	7	11	....	.7	.6	...
15	717	930	..	1	..	6000.10	1	.132	*	.065	.161	.08	9	15	....	2.3	.4	...
16	723	915	..	1	..	7128.10	1	.115	*	.024	.131	.05	7	6	....	.0	.3	145
17	730	950	..	1	..	7130.10	1	.115	..	.036	.135	.05	11	11	....	.0	.3	160
18	818	935	..	1	..	7473.10	1	.085	..	.018	.168	.09	10	13	....	.0	.3	180
19	827	1100	..	1	..	7489.10	1	.063	..	.009	.082	.02	9	19	....	.2	.3	190
20	910	1050	..	1	..	338.10	1	.085	..	.018	.110	.03	7	9	....	.0	.3	190
21	917	1200	..	1	..	362.10	1	.068	..	.010	.091	.02	8	17	....	.2	.2	195

PHASE 3 CODE : H16A16 AREA : 1166 HA
LOCATION : 16-2-10-5-W5 LAT/LONG :
RATING CURVE : FLOW = 5.561 * STAGE*2.334
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 32
WATER QUALITY DATA FOR SOUTH RACEHORSE-W.TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1730	..	1	..	5494.00	1	.345	..	.313	.....	.....	3	7	....	3.1	.4	...
2	511	1105	..	1	..	5706.00	1	.389	..	.402	.478	.62	1	4	....	.7	.1	230
3	513	1700	..	1	..	5735.00	1	.412	..	.453	.415	.46	2	14	....	13.5	2.3	205
4	516	1330	..	1	..	5679.00	2	.555	..	.842	.650	1.17	2	5	....	55.0	9.2	155
5	522	1245	..	1	..	5451.00	1	.454	..	.554	.568	.88	2	6	....	2.8	.9	211
6	527	1315	..	1	..	5482.00	1	.417	*	.415	.490	.65	2	11	....	1.5	1.0	220
7	531	1110	..	1	..	5769.00	1	.521	..	.738	.574	.90	2	7	....	20.2	3.3	200
8	605	....	..	1	..	5942.00	1	.442	*	.453	.520	.74	4	11	....	1.9	.6	220
9	609	1350	..	1	..	6047.00	1	.516	*	.807	.....	.....	3	4	....	7.4	1.7	200
10	622	1115	..	1	..	6039.00	1	.502	*	.758	.512	.71	..	..	....	4.2	.9	210
11	627	955	..	1	..	6312.00	1	.477	..	.614	.580	.92	6	14	....	1.5	.4	...
12	703	950	..	1	..	6348.00	1	.410	*	.392	.459	.57	9	13	....	3.2	.2	...
13	707	920	..	1	..	6389.00	1	.409	*	.414	.444	.53	5	11	....	2.5	.7	250
14	711	1005	..	1	..	5984.00	1	.380	*	.414	.409	.45	5	21	....	1.2	.4	...
15	717	1000	..	1	..	7089.00	1	.359	*	.365	.387	.40	6	22	....	2.5	.4	...
16	723	1530	..	1	..	7126.00	1	.346	*	.351	.365	.35	8	20	....	.8	.3	...
17	730	1035	..	1	..	7131.00	1	.340	..	.304	.346	.32	8	13	....	1.0	.3	270
18	818	1010	..	1	..	7474.00	1	.312	..	.254	.371	.36	7	18	....	1.3	.4	270
19	827	1115	..	1	..	7490.00	1	.300	..	.234	.312	.25	7	20	....	.6	.3	280
20	910	900	..	1	..	339.00	1	.300	..	.234	.320	.27	4	11	....	1.3	.4	285
21	917	1220	..	1	..	361.00	1	.289	..	.217	.298	.23	7	18	....	.0	.3	285

PHASE 3 CODE : H16A16 AREA : 1523 HA
LOCATION : 4-12-10-5-W5 LAT/LONG :
RATING CURVE : FLOW = 2.862 * STAGE*2.079
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 33
WATER QUALITY DATA FOR SOUTH RACEHORSE CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1708	..	1	..	5493.10	1	.220	..	.321	.....	.....	3	7	....	2.9	.3	...
2	511	1115	..	1	..	5708.10	1	.288	..	.661	.359	1.19	2	4	....	2.7	.4	265
3	513	1715	..	1	..	5736.10	2	.331	..	.959	.331	.96	5	14	....	7.5	1.4	250
4	516	1350	..	1	..	5680.10	2	.710	..	7.413	.711	7.44	3	5	....	46.0	15.0	178
5	517	1430	..	1	..	5444.10	1	.438	..	2.032	.660	6.10	5	12	....	14.4	2.7	215
6	522	1315	..	1	..	5452.10	1	.471	..	2.468	.....	.....	3	6	....	1.9	.9	220
7	527	1220	..	1	..	5480.10	1	.368	..	1.274	.468	2.43	3	11	....	2.8	1.4	220
8	531	1030	..	1	..	5767.10	1	.556	..	3.850	.808	10.48	2	7	....	53.6	25.0	165
9	605	1300	..	1	..	5943.10	1	.390	*	1.172	.554	3.81	5	9	....	4.9	1.8	205
10	609	1430	..	1	..	6048.10	1	.490	*	2.878	.525	3.30	4	4	....	11.5	3.6	195
11	622	1000	..	1	..	6036.10	1	.415	*	1.883	.435	1.99	..	..	....	5.6	2.6	203
12	627	925	..	1	..	6310.10	1	.372	..	1.311	.405	1.65	6	18	....	2.9	1.3	...
13	703	915	..	1	..	6346.10	1	.312	*	.973	.365	1.25	4	9	....	4.6	.5	...
14	707	850	..	1	..	6388.10	1	.291	..	.679	.328	.94	6	11	....	3.0	.5	260
15	711	930	..	1	..	5982.10	1	.278	*	.564	.300	.74	6	19	....	1.6	.4	...
16	717	920	..	1	..	5999.10	1	.244	*	.425	.278	.60	7	17	....	3.2	.4	...
17	723	900	..	1	..	7127.10	1	.220	*	.322	.240	.41	5	11	....	1.1	.3	285
18	730	900	..	1	..	7129.10	1	.207	..	.273	.222	.33	7	11	....	2.0	.4	290
19	818	920	..	1	..	7468.10	1	.173	*	.184	.291	.68	7	16	....	3.3	1.0	300
20	827	1030	..	1	..	7486.10	1	.151	*	.108	.170	.16	8	19	....	1.2	.6	320
21	910	1045	..	1	..	337.10	1	.150	..	.115	.165	.15	6	10	....	.6	.5	290
22	917	1150	..	1	..	360.10	1	.144	..	.103	.151	.12	7	17	....	.4	.4	335

PHASE 3 CODE : N16A16 AREA : 2957 HA
LOCATION : 16-2-10-5-W5 LAT/LONG :
RATING CURVE : FLOW = 18.561 * STAGE**2.680
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 34
WATER QUALITY DATA FOR RACEHORSE CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1320	..	1	..	5496.10	..	.....	..	.....	.....	.....	..	..	....	1.8	.3	...
2	508	....	..	1	..	5513.10	1	.....	..	.....	.....	.....	..	..	....	.0	.1	240
3	512	1215	..	1	..	5717.10	1	.....	..	.....	.....	.....	..	..	....	2.6	.4	250
4	515	920	..	1	..	5667.10	..	.....	..	.....	.....	.....	..	..	....	32.9	9.8	273
5	518	1015	..	1	..	5686.10	1	.....	..	.....	.....	.....	..	..	....	11.9	3.6	185
6	522	1030	..	1	..	5455.10	1	.....	..	.....	.....	.....	..	..	....	2.6	1.4	190
7	527	900	..	1	..	5749.10	1	.....	..	.....	.....	.....	..	..	....	3.6	1.8	210
8	529	935	..	1	..	5754.10	1	.....	..	.....	.....	.....	..	..	....	5.4	1.8	190
9	602	1045	..	1	..	5787.10	1	.....	..	.....	.....	.....	..	..	....	9.5	4.3	200
10	606	1215	..	1	..	5948.10	1	.....	..	.....	.....	.....	..	..	....	3.1	1.4	190
11	608	930	..	1	..	5960.10	1	.....	..	.....	.....	.....	..	..	....	19.8	4.8	180
12	611	930	..	1	..	6064.10	1	.....	..	.....	.....	.....	..	..	....	7.1	2.4	190
13	621	1030	..	1	..	6017.10	1	.....	..	.....	.....	.....	..	..	....	2.0	.3	140
14	625	1035	..	1	..	6320.10	1	.....	..	.....	.....	.....	..	..	....	3.2	2.2	201
15	704	920	..	1	..	6359.10	1	.....	..	.....	.....	.....	..	..	....	3.1	.5	...
16	718	1415	..	1	..	7100.10	1	.....	..	.....	.....	.....	..	..	....	2.0	2.8	275
17	803	1305	..	1	..	7154.10	1	.....	..	.....	.....	.....	..	..	....	3.0	3.5	290
18	807	1100	..	1	..	7170.10	1	.....	..	.....	.....	.....	..	..	....	1.8	1.0	295
19	822	900	..	1	..	7480.10	1	.....	..	.....	.....	.....	..	..	....	2.0	.2	310
20	827	1350	..	1	..	7498.10	1	.....	..	.....	.....	.....	..	..	....	.2	.3	310
21	829	1150	..	1	..	303.10	1	.....	..	.....	.....	.....	..	..	....	2.7	.3	300
22	907	1150	..	1	..	318.10	1	.....	..	.....	.....	.....	..	..	....	3.9	.3	305
23	916	1210	..	1	..	356.10	1	.....	..	.....	.....	.....	..	..	....	.2	.2	340

PHASE 3 CODE : N16A16 AREA : NA
LOCATION : 11-24-10-4-W5 LAT/LONG :

TABLE 35
WATER QUALITY DATA FOR SCARPE CREEK, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1200	..	1	..	5726.10	..	.256	..	.503	.....	.....	..	..	....	2.1	.1	148
2	513	730	..	1	..	5738.10	2	.289	*	.693	.289	.72	2	4	....	1.1	.1	132
3	524	920	..	1	..	5475.10	1	.400	*	1.828	.526	4.04	4	9	....	.2	.4	65
4	625	1700	..	1	..	6315.10	1	.364	*	1.437	.484	3.18	9	20	35.3	.2	.3	95
5	705	1000	..	1	..	6370.10	1	.276	..	.585	.367	1.43	8	21	....	.4	.2	...
6	716	1330	..	1	..	5995.10	1	.209	*	.307	.260	.53	13	23	....	.0	.2	...
7	722	1000	..	1	..	7107.10	1	.202	*	.255	.210	.29	7	13	.2	.0	.1	...
8	725	1300	..	1	..	7120.10	1	.195	*	.204	.202	.26	12	21	....	.4	.1	...
9	731	1440	..	1	..	7140.10	1	.181	*	.200	.191	.22	13	24	....	1.9	.2	155
10	816	1240	..	1	..	7459.10	1	.159	..	.128	.198	.24	10	24	....	1.8	.4	180
11	828	1050	..	1	..	300.10	1	.160	..	.131	.168	.15	6	12	....	1.0	.2	190
12	911	1245	..	1	..	349.10	1	.152	..	.113	.160	.13	7	12	....	.4	.1	210
13	918	1320	..	1	..	400.10	1	.152	..	.113	.156	.12	8	23	....	.4	.1	205

PHASE 3 CODE : N16C11C3 AREA : 2550 HA
LOCATION : 8-30-3-2-W5 LAT/LONG :
RATING CURVE : FLOW = 25.664 * STAGE**2.879
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.STANDARD RAIN GAUGE.

TABLE 36
WATER QUALITY DATA FOR SLACKER CREEK, BOW/CROW FOREST, 1984
MAY 22, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	522	1240	..	1	..	5458.10	1	.345	..	.357	.....	.....	1	14	....	.2	.9	135
2	529	1105	..	1	..	5757.10	1	.332	*	.338	.348	.37	0	13	....	1.1	.7	130
3	602	1230	..	1	..	5791.10	1	.333	..	.302	.438	1.11	2	14	....	3.6	.7	130
4	606	1405	..	1	..	5951.10	1	.327	*	.347	.354	.40	4	10	....	1.4	.5	130
5	608	1330	..	1	..	5964.10	1	.355	*	.319	.365	.47	3	9	....	1.5	.8	130
6	612	1105	..	1	..	6067.10	1	.371	*	.553	.373	.52	3	19	....	4.0	.9	120
7	621	1500	..	1	..	6021.10	1	.342	*	.371	.370	.50	..	..	....	2.3	.7	133
8	625	1310	..	1	..	6326.10	1	.348	*	.303	.381	.57	7	19	....	19.1	7.1	...
9	704	1125	..	1	..	6365.10	1	.304	*	.180	.351	.39	6	13	....	.0	.3	...
10	719	1530	..	1	..	7105.10	1	.261	*	.099	.305	.20	10	22	....	2.9	.3	180
11	803	1330	..	1	..	7164.10	1	.242	*	.079	.281	.13	11	25	....	.2	.2	200
12	807	1305	..	1	..	7175.10	1	.233	*	.046	.243	.07	10	20	....	.2	.2	200
13	822	1125	..	1	..	7486.10	1	.215	*	.037	.232	.05	7	15	....	.0	.1	205
14	829	1400	..	1	..	308.10	1	.211	..	.035	.231	.05	8	15	....	.4	.4	195
15	907	1350	..	1	..	324.10	1	.204	..	.029	.210	.03	7	12	....	.8	.1	200
16	919	950	..	1	..	374.10	1	.194	..	.023	.207	.03	5	8	....	.2	.2	220

PHASE 3 CODE : H16A14 AREA : 1310 HA
LOCATION : 3-15-13-5-W5 LAT/LONG :
RATING CURVE : FLOW = 55.803 * STAGE**4.747
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 37
WATER QUALITY DATA FOR SODA CREEK, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1030	..	1	..	5512.10	1	.....	..	.....	.....	.....	1	4	....	.0	.1	272
2	512	955	..	1	..	5712.10	1	.121	..	.018	.135	.03	1	8	....	.4	.0	295
3	515	1045	..	1	..	5670.10	2	.233	..	.168	.233	.17	1	9	....	36.7	8.4	150
4	522	1300	..	1	..	5460.10	1	.212	..	.122	.289	.35	4	13	....	.8	.8	200
5	529	1125	..	1	..	5758.10	1	.229	*	.111	.255	.23	3	16	....	5.5	4.0	180
6	602	1300	..	1	..	5792.10	1	.234	..	.170	.328	.53	4	14	....	20.4	3.3	215
7	606	1445	..	1	..	5952.10	2	.254	*	.235	.254	.22	7	14	....	53.5	1.0	170
8	612	1130	..	1	..	6068.10	1	.254	*	.218	.269	.27	5	18	....	12.4	3.4	190
9	625	1330	..	1	..	6327.10	1	.258	*	.270	.280	.31	8	20	....	7.8	1.8	...
10	704	1135	..	1	..	6366.10	1	.228	*	.166	.250	.21	5	11	....	5.8	.6	...
11	719	1435	..	1	..	7106.10	1	.185	*	.095	.231	.16	8	22	....	3.5	.3	260
12	803	950	..	1	..	7148.10	1	.171	*	.073	.200	.10	6	18	....	5.0	.6	260
13	807	1325	..	1	..	7176.10	1	.165	*	.040	.174	.06	7	15	....	2.6	.6	285
14	822	1156	..	1	..	7487.10	1	.155	..	.042	.162	.05	6	20	....	1.3	.2	285
15	829	1400	..	1	..	309.10	1	.145	..	.034	.177	.07	6	14	....	.8	.4	270
16	907	1400	..	1	..	325.10	1	.162	..	.049	.....	.....	6	12	....	3.3	.4	220
17	919	1000	..	1	..	375.10	1	.158	..	.045	.165	.05	5	8	....	.0	.3	300

PHASE 3 CODE : H16A14 AREA : 590 HA
LOCATION : 3-15-13-5-W5 LAT/LONG :
RATING CURVE : FLOW = 22.814 * STAGE*3.372
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 38
WATER QUALITY DATA FOR VICARY CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1300	..	1	..	5485.10	1	.165	..	.152	.....	.....	2	9	....	1.3	.3	...
2	508	1540	..	1	..	5510.10	1	.176	..	.183	.186	.21	4	11	....	9.8	4.8	275
3	512	1245	..	1	..	5715.10	1	.158	..	.135	.220	.34	3	10	....	3.2	1.6	250
4	515	915	..	1	..	5665.10	2	.261	..	.554	.261	.55	1	9	....	109.7	14.0	120
5	518	1530	..	1	..	5694.10	1	.....	..	.607	.....	.....	..	..	....	116.5	7.9	125
6	522	1030	..	1	..	5454.10	1	.289	*	.678	.....	.....	2	8	....	6.7	4.3	140
7	525	915	..	1	..	5474.10	1	.263	..	.566	.295	.78	3	6	....	4.2	1.8	160
8	529	855	..	1	..	5753.10	1	.284	*	.908	.296	.79	5	7	....	5.5	2.8	145
9	602	1030	..	1	..	5786.10	1	.294	..	.775	.491	3.29	3	14	....	10.9	3.2	185
10	606	1150	..	1	..	5946.10	1	.280	*	.552	.302	.84	4	17	....	5.8	2.8	220
11	608	915	..	1	..	5959.10	2	.328	*	1.041	.328	1.06	2	9	....	11.0	3.6	150
12	612	845	..	1	..	6063.10	1	.328	..	1.055	.365	1.43	3	11	....	10.0	3.2	160
13	621	1645	..	1	..	6023.10	1	.312	*	.928	.358	1.35	..	..	....	5.7	2.6	202
14	626	925	..	1	..	6319.10	1	.309	*	.821	.330	1.07	5	15	....	10.1	3.4	190
15	704	845	..	1	..	6358.10	1	.244	*	.544	.312	.92	6	15	....	4.0	1.9	...
16	802	1800	..	1	..	7165.10	1	.192	..	.233	.238	.43	10	16	....	20.0	17.0	385
17	803	1335	..	1	..	.....	1	.163	..	.147	.170	.17	14	21	....	3.5	.6	420
18	807	1507	..	1	..	7442.10	1	.155	*	.121	.175	.18	14	20	....	3.0	.4	435
19	822	1310	..	1	..	7481.10	1	.143	..	.102	.145	.11	10	20	....	2.4	.1	355
20	827	1420	..	1	..	7499.10	1	.149	..	.114	.149	.11	11	21	....	1.4	.9	475
21	829	1125	..	1	..	302.10	1	.147	..	.110	.150	.12	6	11	....	1.8	.7	440
22	907	1130	..	1	..	317.10	1	.146	..	.108	.148	.11	4	7	....	3.1	.3	310
23	916	1200	..	1	..	354.10	1	.147	..	.110	.149	.11	6	16	....	1.0	.3	500

PHASE 3 CODE : N16A16 AREA : 2510 HA
LOCATION : 14-21-9-4-W5 LAT/LONG :
RATING CURVE : FLOW = 24.421 * STAGE*2.818
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 39
WATER QUALITY DATA FOR WHITNEY CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1650	..	1	..	5506.10	1	.204	..	.160	.....	.....	6	10	....	.0	.0	268
2	510	100	..	1	..	5521.10	1	.238	..	.269	.244	.29	3	5	....	.0	.0	260
3	513	1330	..	1	..	5744.10	1	.228	*	.273	.235	.26	3	12	....	.8	.1	270
4	516	1320	..	1	..	5685.10	2	.354	*	1.141	.364	1.12	5	11	....	2.1	.2	218
5	518	1020	..	1	..	5703.10	1	.303	*	.604	.349	.97	4	7	....	.0	.1	228
6	523	925	..	1	..	5461.10	1	.272	..	.421	.310	.65	4	5	....	.2	.1	200
7	528	1315	..	1	..	5750.10	1	.252	*	.322	.255	.34	6	12	....	.4	.1	240
8	530	930	..	1	..	5780.10	2	.288	*	.532	.290	.52	8	23	....	.2	.1	230
9	604	920	..	1	..	5926.10	1	.248	*	.284	.307	.63	5	14	....	2.3	.3	240
10	607	930	..	1	..	5952.10	1	.244	*	.275	.247	.30	5	11	....	.0	.1	240
11	611	1110	..	1	..	6059.10	1	.267	*	.323	.270	.41	7	17	....	.0	.1	240
12	615	1245	..	1	..	6076.10	1	.271	..	.415	.283	.48	7	20	....	1.1	.2	235
13	621	1050	..	1	..	6006.10	1	.247	*	.299	.271	.42	6	9	....	.2	.1	...
14	625	930	..	1	..	6042.10	1	.276	*	.459	.299	.58	8	15	....	.2	.1	235
15	701	1530	..	1	..	6342.10	1	.233	..	.250	.274	.43	12	18	....	2.4	.1	...
16	706	915	..	1	..	6380.10	1	.223	..	.216	.234	.25	9	19	....	2.3	.1	270
17	710	930	..	1	..	5977.10	1	.205	*	.146	.215	.19	10	17	....	2.4	.1	...
18	716	935	..	1	..	5990.10	1	.187	*	.124	.201	.15	11	17	....	.2	.2	...
19	725	1015	..	1	..	7117.10	1	.169	*	.093	.186	.12	12	20	....	.6	.2	...
20	731	945	..	1	..	7137.10	1	.180	..	.105	.190	.13	11	15	....	1.0	.2	300
21	806	1000	..	1	..	7166.10	1	.171	..	.089	.178	.10	12	21	....	.2	.2	320
22	813	950	..	1	..	7446.10	1	.160	..	.071	.172	.09	10	17	....	1.6	.2	330
23	831	825	..	1	..	314.10	1	.138	..	.043	.....	.....	9	10	....	.0	.6	320
24	910	1355	..	1	..	344.10	1	.144	..	.050	.155	.06	13	16	....	5.2	.2	330
25	918	1020	..	1	..	370.10	1	.135	..	.040	.143	.05	9	16	....	.2	.2	340

PHASE 3 CODE : N16C10C3 AREA : 2141 HA
LOCATION : 12-1-5-2-W5 LAT/LONG :
RATING CURVE : FLOW = 33.248 * STAGE*3.357
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 40
WATER QUALITY DATA FOR ATHABASCA RIVER, EDSON FOREST, 1984
MAY 16, 1984 - MAY 16, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	516	....	..	1	..	.....	..	.....	..	.....	.....	.....	..	..	....	530.3	130.0	...

PHASE 3 CODE : AREA : HA
LOCATION : LAT/LONG :

TABLE 41
WATER QUALITY DATA FOR BASELINE CREEK, EDSON FOREST, 1984
MAY 16, 1984 - MAY 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	516	....	..	1	..	.13	..	.....	..	.....	.....	.....	..	..	....	86.3	27.0	...
2	516	....	..	1	..	.14	..	.....	..	.....	.....	.....	..	..	....	32.1	4.6	...

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 42
WATER QUALITY DATA FOR BCFP SITE 1, EDSON FOREST, 1984
MAY 25, 1984 - SEPTEMBER 28, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	525	1350	..	1	..	5265.13	4	.....	*	.101	.....	.....	..	..	....	5.8	6.4	90
2	525	1350	..	1	..	5265.14	4	.....	*	.101	.....	.....	..	..	....	4.4	3.5	110
3	601	1425	..	1	..	5268.13	2	.....	*	.094	.....	.....	..	..	....	2.9	3.0	105
4	601	1425	..	1	..	5268.23	2	.....	*	.094	.....	.....	..	..	....	3.9	3.0	110
5	601	1425	..	1	..	5269.14	2	.....	*	.094	.....	.....	..	..	....	5.3	6.1	85
6	601	1425	..	1	..	5269.24	2	.....	*	.094	.....	.....	..	..	....	1.0	1.2	120
7	608	1100	..	1	..	5297.13	2	.....	*	.152	.....	.....	..	..	....	14.9	4.7	...
8	608	1100	..	1	..	5297.23	2	.....	*	.152	.....	.....	..	..	....	13.5	4.3	...
9	608	1100	..	1	..	5301.14	2	.....	*	.152	.....	.....	..	..	....	17.8	5.8	...
10	608	1100	..	1	..	5301.24	2	.....	*	.152	.....	.....	..	..	....	22.1	6.8	...
11	621	800	..	1	..	5272.14	4	.....	*	.067	.....	.....	..	..	....	3.3	.9	...
12	621	800	..	1	..	5272.24	4	.....	*	.067	.....	.....	..	..	....	3.5	.7	...
13	621	800	..	1	..	5274.13	4	.....	*	.067	.....	.....	..	..	....	2.9	.8	...
14	621	800	..	1	..	5274.23	4	.....	*	.067	.....	.....	..	..	....	3.3	1.8	...
15	628	1100	..	1	..	5353.13	4	.....	*	.041	.....	.....	..	..	....	.6	.6	...
16	628	1100	..	1	..	5353.23	4	.....	*	.041	.....	.....	..	..	....	.6	.8	...
17	628	1100	..	1	..	5354.14	4	.....	*	.041	.....	.....	..	..	....	1.5	.7	...
18	628	1100	..	1	..	5354.24	4	.....	*	.041	.....	.....	..	..	....	1.1	.8	...
19	704	900	..	1	..	5359.13	1	.....	*	.026	.....	.....	..	..	....	2.8	1.8	...
20	704	900	..	1	..	5359.23	1	.....	*	.026	.....	.....	..	..	....	2.6	2.3	...
21	704	900	..	1	..	5360.14	1	.....	*	.026	.....	.....	..	..	....	2.5	1.9	...
22	704	900	..	1	..	5360.24	1	.....	*	.026	.....	.....	..	..	....	4.4	1.8	...
23	706	1345	..	1	..	5361.13	3	.....	*	.047	.....	.....	..	..	....	37.9	46.0	...
24	706	1345	..	1	..	5361.23	3	.....	*	.047	.....	.....	..	..	....	40.0	44.0	...
25	706	1345	..	1	..	5362.14	3	.....	*	.047	.....	.....	..	..	....	60.4	62.0	...
26	706	1345	..	1	..	5362.24	3	.....	*	.047	.....	.....	..	..	....	60.0	63.0	...
27	713	1325	..	1	..	5365.13	4	.....	*	.029	.....	.....	..	..	....	3.3	2.1	...
28	713	1325	..	1	..	5365.23	4	.....	*	.029	.....	.....	..	..	....	3.3	2.1	...
29	713	1325	..	1	..	5366.14	4	.....	*	.029	.....	.....	..	..	....	6.8	1.8	...
30	713	1325	..	1	..	5366.24	4	.....	*	.029	.....	.....	..	..	....	5.2	1.7	...
31	716	1400	..	1	..	5369.13	4	.....	*	.019	.....	.....	..	..	....	2.8	5.8	170
32	716	1400	..	1	..	5369.23	4	.....	*	.019	.....	.....	..	..	....	3.2	.8	170
33	716	1400	..	1	..	5370.14	4	.....	*	.019	.....	.....	..	..	....	3.9	.7	180
34	716	1400	..	1	..	5370.24	4	.....	*	.019	.....	.....	..	..	....	10.6	.9	165
35	907	1110	..	1	..	5373.13	2	.....	*	.053	.....	.....	..	..	....	47.1	65.0	240
36	907	1110	..	1	..	5373.23	2	.....	*	.053	.....	.....	..	..	....	71.1	64.0	240
37	907	1110	..	1	..	5374.14	2	.....	*	.053	.....	.....	..	..	....	62.2	68.0	250
38	907	1110	..	1	..	5374.24	2	.....	*	.053	.....	.....	..	..	....	68.8	69.0	250
39	914	1015	..	1	..	5379.13	1	.....	*	.046	.....	.....	..	..	....	6.9	3.5	180
40	914	1015	..	1	..	5379.23	1	.....	*	.046	.....	.....	..	..	....	6.7	3.3	180
41	914	1015	..	1	..	5380.14	1	.....	*	.046	.....	.....	..	..	....	7.7	3.1	185
42	914	1015	..	1	..	5380.24	1	.....	*	.046	.....	.....	..	..	....	5.3	2.8	190
43	918	1400	..	1	..	5383.13	3	.....	*	.078	.....	.....	..	..	....	44.8	55.0	200
44	918	1400	..	1	..	5383.23	3	.....	*	.078	.....	.....	..	..	....	47.3	54.0	200
45	918	1400	..	1	..	5384.14	3	.....	*	.078	.....	.....	..	..	....	56.1	67.0	220
46	918	1400	..	1	..	5384.24	3	.....	*	.078	.....	.....	..	..	....	54.9	58.0	220
47	928	1145	..	1	..	5387.13	1	.....	*	.059	.....	.....	..	..	....	9.8	5.3	200
48	928	1145	..	1	..	5387.23	1	.....	*	.059	.....	.....	..	..	....	11.0	6.1	200
49	928	1145	..	1	..	5388.14	1	.....	*	.059	.....	.....	..	..	....	11.3	6.8	215

50 928 1145 .. 1 .. 5388.24 1 ..... * .059 .... 16.7 7.7 215

PHASE 3 CODE :
LOCATION : 7-10-57-6-W6

AREA : 630.05 *HA*
LAT/LONG :

TABLE 43
WATER QUALITY DATA FOR BCFP SITE 2, EDSON FOREST, 1984
JUNE 1, 1984 - SEPTEMBER 28, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	601	1530	..	1	..	5270.13	2	.....	*	.182	.....	.....	..	..	....	.9	2.1	120
2	601	1530	..	1	..	5270.23	2	.....	*	.182	.....	.....	..	..	....	.2	2.0	70
3	601	1530	..	1	..	5271.14	2	.....	*	.182	.....	.....	..	..	....	1.6	2.1	75
4	601	1530	..	1	..	5271.24	2	.....	*	.182	.....	.....	..	..	....	2.2	2.1	70
5	608	1200	..	1	..	5281.13	2	.....	*	.194	.....	.....	..	..	....	27.9	6.0	...
6	608	1200	..	1	..	5281.23	2	.....	*	.194	.....	.....	..	..	....	24.2	4.2	...
7	608	1200	..	1	..	5285.14	2	.....	*	.194	.....	.....	..	..	....	6.9	1.5	...
8	608	1200	..	1	..	5285.24	2	.....	*	.194	.....	.....	..	..	....	5.5	1.3	...
9	621	800	..	1	..	5274.10	4	.....	*	.084	.....	.....	..	..	....	2.9	.8	...
10	621	800	..	1	..	5274.20	4	.....	*	.084	.....	.....	..	..	....	3.3	1.8	...
11	621	1000	..	1	..	5275.14	4	.....	*	.084	.....	.....	..	..	....	2.8	1.5	...
12	621	1000	..	1	..	5275.24	4	.....	*	.084	.....	.....	..	..	....	1.6	1.4	...
13	621	1000	..	1	..	5276.13	4	.....	*	.084	.....	.....	..	..	....	1.4	1.2	...
14	621	1000	..	1	..	5276.23	4	.....	*	.084	.....	.....	..	..	....	1.5	1.7	...
15	628	1215	..	1	..	5355.13	4	.....	*	.060	.....	.....	..	..	....	.6	.7	...
16	628	1215	..	1	..	5355.23	4	.....	*	.060	.....	.....	..	..	....	4.3	.9	...
17	628	1215	..	1	..	5356.14	4	.....	*	.060	.....	.....	..	..	....	1.0	.6	...
18	628	1215	..	1	..	5356.24	4	.....	*	.060	.....	.....	..	..	....	1.0	.7	...
19	704	1030	..	1	..	5357.13	1	.....	*	.045	.....	.....	..	..	....	1.8	.7	...
20	704	1030	..	1	..	5357.23	1	.....	*	.045	.....	.....	..	..	....	1.9	.8	...
21	704	1030	..	1	..	5358.14	1	.....	*	.045	.....	.....	..	..	....	1.8	.7	...
22	704	1030	..	1	..	5358.24	1	.....	*	.045	.....	.....	..	..	....	1.3	.8	...
23	705	1530	..	1	..	5282.14	2	.....	*	.068	.....	.....	..	..	....	20.8	2.4	...
24	705	1530	..	1	..	5282.24	2	.....	*	.068	.....	.....	..	..	....	18.2	3.4	...
25	705	1530	..	1	..	5383.14	2	.....	*	.068	.....	.....	..	..	....	2.2	1.3	...
26	705	1530	..	1	..	5383.24	2	.....	*	.068	.....	.....	..	..	....	4.7	1.0	...
27	706	1430	..	1	..	5363.13	3	.....	*	.093	.....	.....	..	..	....	14.4	2.7	...
28	706	1430	..	1	..	5363.23	3	.....	*	.093	.....	.....	..	..	....	13.2	2.4	...
29	706	1430	..	1	..	5364.14	3	.....	*	.093	.....	.....	..	..	....	2.4	1.7	...
30	706	1430	..	1	..	5364.24	3	.....	*	.093	.....	.....	..	..	....	4.3	1.7	...
31	713	1430	..	1	..	5367.13	1	.....	*	.059	.....	.....	..	..	....	2.5	1.5	...
32	713	1430	..	1	..	5367.23	1	.....	*	.059	.....	.....	..	..	....	.2	1.3	...
33	713	1430	..	1	..	5368.14	1	.....	*	.059	.....	.....	..	..	....	.0	1.2	...
34	713	1430	..	1	..	5368.24	1	.....	*	.059	.....	.....	..	..	....	.0	1.2	...
35	716	1500	..	1	..	5371.13	4	.....	*	.036	.....	.....	..	..	....	2.9	.7	100
36	716	1500	..	1	..	5371.23	4	.....	*	.036	.....	.....	..	..	....	2.0	.5	100
37	716	1500	..	1	..	5372.14	4	.....	*	.036	.....	.....	..	..	....	.9	.5	100
38	716	1500	..	1	..	5372.24	4	.....	*	.036	.....	.....	..	..	....	1.9	.5	100
39	907	1200	..	1	..	5375.13	2	.....	*	.060	.....	.....	..	..	....	19.1	2.0	120
40	907	1200	..	1	..	5375.23	2	.....	*	.060	.....	.....	..	..	....	18.6	2.3	120
41	907	1200	..	1	..	5376.14	2	.....	*	.060	.....	.....	..	..	....	.0	1.3	120
42	907	1200	..	1	..	5376.24	2	.....	*	.060	.....	.....	..	..	....	76.4	1.3	120
43	914	1115	..	1	..	5381.13	1	.....	*	.095	.....	.....	..	..	....	4.7	2.3	100
44	914	1115	..	1	..	5381.23	1	.....	*	.095	.....	.....	..	..	....	5.2	2.3	100
45	914	1115	..	1	..	5382.14	1	.....	*	.095	.....	.....	..	..	....	2.3	2.4	100
46	914	1115	..	1	..	5382.24	1	.....	*	.095	.....	.....	..	..	....	3.2	2.2	100
47	918	1515	..	1	..	5385.13	2	.....	*	.105	.....	.....	..	..	....	9.2	2.7	100
48	918	1515	..	1	..	5385.23	2	.....	*	.105	.....	.....	..	..	....	6.5	1.7	100
49	918	1515	..	1	..	5386.14	2	.....	*	.105	.....	.....	..	..	....	1.2	1.9	100

50	918	1515	..	1	..	5386.24	2	.....	*	.105	.....	.....	..	..	....	.8	2.0	100
51	928	1200	..	1	..	5389.13	1	.....	*	.065	.....	.....	..	..	....	1.6	.8	95
52	928	1200	..	1	..	5389.23	1	.....	*	.065	.....	.....	..	..	....	1.5	.9	95
53	928	1200	..	1	..	5390.14	1	.....	*	.065	.....	.....	..	..	....	1.2	.9	95
54	928	1200	..	1	..	5390.24	1	.....	*	.065	.....	.....	..	..	....	1.2	.8	105

PHASE 3 CODE :
LOCATION : 6-11-57-6-W6

AREA : 882 *HA*
LAT/LONG :

**** EDSBERRY84 EDSBERRY84

TABLE 44
WATER QUALITY DATA FOR BERRY CREEK, EDSON FOREST, 1984
SEPTEMBER 21, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	921	1200	..	1	..	179.10	2	.....	..	.....	.....	.....	..	..	....	2.0	.8	285
2	921	1200	..	1	..	179.20	2	.....	..	.....	.....	.....	..	..	....	1.4	.6	285

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

**** EDSCHANCE84 EDSCHANCE84

TABLE 45
WATER QUALITY DATA FOR CHANCE CREEK, EDSON FOREST, 1984
JUNE 14, 1984 - SEPTEMBER 24, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	614	1545	..	1	..	5320.13	1	.....	*	.124	.....	.....	..	..	....	1.0	.9	...
2	614	1545	..	1	..	5321.14	1	.....	*	.124	.....	.....	..	..	....	1.0	1.4	...
3	627	1315	..	1	..	7354.13	1	.....	*	.644	.....	.....	..	..	....	.0	.6	...
4	627	1315	..	1	..	7354.23	1	.....	*	.644	.....	.....	..	..	....	.0	.5	...
5	627	1315	..	1	..	7355.14	1	.....	*	.644	.....	.....	..	..	....	.0	.5	...
6	627	1315	..	1	..	7355.24	1	.....	*	.644	.....	.....	..	..	....	.0	.5	...
7	914	1200	..	1	..	166.13	2	.....	..	.....	.....	.....	..	..	....	3.1	2.3	150
8	914	1200	..	1	..	166.23	2	.....	..	.....	.....	.....	..	..	....	3.2	2.3	150
9	914	1200	..	1	..	167.14	2	.....	..	.....	.....	.....	..	..	....	1.4	2.0	150
10	914	1200	..	1	..	167.24	2	.....	..	.....	.....	.....	..	..	....	1.3	2.0	150
11	914	1300	..	1	..	168.13	2	.....	*	.081	.....	.....	..	..	....	1.8	2.5	160
12	914	1300	..	1	..	168.23	2	.....	*	.081	.....	.....	..	..	....	1.0	2.5	160
13	914	1300	..	1	..	169.14	2	.....	*	.081	.....	.....	..	..	....	2.0	2.5	160
14	914	1300	..	1	..	169.24	2	.....	*	.081	.....	.....	..	..	....	4.2	2.2	160
15	924	1315	..	1	..	177.14	2	.....	..	.....	.....	.....	..	..	....	.4	1.8	155
16	924	1315	..	1	..	177.24	2	.....	..	.....	.....	.....	..	..	....	.6	1.8	155
17	924	1515	..	1	..	176.13	2	.....	..	.....	.....	.....	..	..	....	7.6	3.2	160
18	924	1515	..	1	..	176.23	2	.....	..	.....	.....	.....	..	..	....	19.2	6.4	160
19	924	1600	..	1	..	178.13	2	.....	*	.108	.....	.....	..	..	....	2.6	3.7	170
20	924	1600	..	1	..	178.23	2	.....	*	.108	.....	.....	..	..	....	2.4	3.7	170
21	924	1600	..	1	..	179.14	2	.....	*	.108	.....	.....	..	..	....	1.5	2.8	170
22	924	1600	..	1	..	179.24	2	.....	*	.108	.....	.....	..	..	....	1.4	2.7	170

PHASE 3 CODE :
LOCATION : SE-6-49-21-W5
AREA : 252 HA
LAT/LONG :

TABLE 46
WATER QUALITY DATA FOR FELTON CREEK, EDSON FOREST, 1984
JUNE 14, 1984 - SEPTEMBER 24, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	614	1440	..	1	..	5318.13	1	.....	*	.080	.....	.....	..	..	....	.0	.2	...
2	614	1440	..	1	..	5319.14	1	.....	*	.080	.....	.....	..	..	....	3.0	.7	...
3	622	1230	..	1	..	7311.13	3	.....	*	.054	.....	.....	..	12	.0	2.0	.4	160
4	622	1230	..	1	..	7311.14	3	.....	*	.054	.....	.....	..	..	....	.7	.3	160
5	627	1430	..	1	..	7356.13	..	.....	*	.068	.....	.....	..	..	....	.4	.3	...
6	627	1430	..	1	..	7356.23	..	.....	*	.068	.....	.....	..	..	....	.0	.3	...
7	627	1430	..	1	..	7357.14	..	.....	*	.068	.....	.....	..	..	....	.2	.3	...
8	627	1430	..	1	..	7357.24	..	.....	*	.068	.....	.....	..	..	....	.0	.3	...
9	705	1130	..	1	..	7365.13	1	.....	*	.008	.....	.....	..	..	....	2.9	.4	215
10	705	1130	..	1	..	7365.23	1	.....	*	.008	.....	.....	..	..	....	2.6	.4	215
11	705	1130	..	1	..	7366.14	1	.....	*	.008	.....	.....	..	..	....	1.6	.5	215
12	705	1130	..	1	..	7366.24	1	.....	*	.008	.....	.....	..	..	....	1.4	.3	215
13	720	1600	..	1	..	7375.13	1	.....	*	.023	.....	.....	..	18	5.0	5.4	2.7	...
14	720	1600	..	1	..	7375.23	1	.....	*	.023	.....	.....	..	18	5.0	1.4	2.7	...
15	720	1600	..	1	..	7376.14	1	.....	*	.023	.....	.....	..	18	5.0	.4	2.3	...
16	720	1600	..	1	..	7376.24	1	.....	*	.023	.....	.....	..	18	5.0	2.8	1.7	...
17	726	1400	..	1	..	6972.14	1	.....	*	.010	.....	.....	..	..	....	1.0	.5	260
18	726	1400	..	1	..	6972.24	1	.....	*	.010	.....	.....	..	..	....	3.6	.3	260
19	726	1400	..	1	..	6973.13	1	.....	*	.010	.....	.....	..	..	....	.9	.5	260
20	726	1400	..	1	..	6973.23	1	.....	*	.010	.....	.....	..	..	....	.8	.5	260
21	907	1130	..	1	..	7336.13	2	.....	*	.134	.....	.....	..	..	....	10.1	.8	170
22	907	1130	..	1	..	7336.23	2	.....	*	.134	.....	.....	..	..	....	13.3	1.5	170
23	907	1130	..	1	..	7337.14	2	.....	*	.134	.....	.....	..	..	....	9.3	.7	170
24	907	1130	..	1	..	7337.24	2	.....	*	.134	.....	.....	..	..	....	11.8	.8	170
25	914	1100	..	1	..	163.13	2	.....	*	.118	.....	.....	..	..	....	1.2	.4	140
26	914	1100	..	1	..	163.23	2	.....	*	.118	.....	.....	..	..	....	1.0	.5	140
27	914	1100	..	1	..	164.14	2	.....	*	.118	.....	.....	..	..	....	.0	.3	140
28	914	1100	..	1	..	164.24	2	.....	*	.118	.....	.....	..	..	....	.2	.3	140
29	924	1415	..	1	..	172.13	2	.....	*	.122	.....	.....	..	..	....	2.6	.5	135
30	924	1415	..	1	..	172.24	2	.....	*	.122	.....	.....	..	..	....	2.4	.5	135
31	924	1415	..	1	..	173.14	2	.....	*	.122	.....	.....	..	..	....	2.0	.3	135
32	924	1415	..	1	..	173.24	2	.....	*	.122	.....	.....	..	..	....	1.2	.3	135

PHASE 3 CODE :
LOCATION : 31-49-22-W5
AREA : 441 HA
LAT/LONG :

**** EDSGREGG84 EDSGREGG84

TABLE 47
WATER QUALITY DATA FOR GREGG RIVER, EDSON FOREST, 1984
SEPTEMBER 21, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	921	1150	..	1	..	7401.10	2	.....	..	.....	.....	.....	..	..	....	12.4	6.8	500
2	921	1150	..	1	..	7401.20	2	.....	..	.....	.....	.....	..	..	....	28.0	9.7	485

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

**** EDSLAKE84 EDSLAKE84

TABLE 48
WATER QUALITY DATA FOR LAKE CREEK,EDSON FOREST, 1984
JULY 10, 1984 - AUGUST 3, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	710	1600	..	1	..	5294.13	..	.....	..	.....	.....	.....	..	..	....	49.5	31.0	185
2	710	1600	..	1	..	5294.23	..	.....	..	.....	.....	.....	..	..	....	50.0	38.0	185
3	710	1600	..	1	..	5295.14	1	.....	..	.....	.....	.....	..	..	....	50.1	33.0	185
4	710	1600	..	1	..	5295.24	1	.....	..	.....	.....	.....	..	..	....	46.9	36.0	185
5	803	1800	..	1	..	5302.13	..	.....	..	.....	.....	.....	..	..	....	46.6	37.0	185
6	803	1800	..	1	..	5302.23	..	.....	..	.....	.....	.....	..	..	....	42.6	33.0	185
7	803	1800	..	1	..	5303.14	..	.....	..	.....	.....	.....	..	..	....	42.8	28.0	190
8	803	1800	..	1	..	5303.24	..	.....	..	.....	.....	.....	..	..	....	45.8	30.0	190

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 49
WATER QUALITY DATA FOR LAMBERT CREEK, EDSON FOREST, 1984
MAY 24, 1984 - SEPTEMBER 24, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UNHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	524	1430	..	1	..	5309.13	1	.....	*	.117	.....	.....	..	..	....	.6	.4	...
2	524	1430	..	1	..	5310.10	1	.....	*	.117	.....	.....	..	..	....	.0	.3	...
3	524	1430	..	1	..	5311.14	1	.....	*	.117	.....	.....	..	..	....	.0	.2	...
4	608	1530	..	1	..	5312.13	4	.....	*	.174	.....	.....	..	..	....	.6	.3	...
5	608	1530	..	1	..	5313.10	4	.....	*	.174	.....	.....	..	..	....	.8	.3	...
6	608	1530	..	1	..	5314.14	4	.....	*	.174	.....	.....	..	..	....	.6	.3	...
7	614	1100	..	1	..	5315.13	1	.....	*	.099	.....	.....	..	..	....	.9	.3	...
8	614	1100	..	1	..	5316.10	1	.....	*	.099	.....	.....	..	..	....	.0	.2	...
9	614	1100	..	1	..	5317.14	1	.....	*	.099	.....	.....	..	..	....	.0	.2	...
10	622	930	..	1	..	7309.13	3	.....	*	.080	.....	.....	..	12	....	1.0	.4	250
11	622	930	..	1	..	7309.24	3	.....	*	.080	.....	.....	..	12	....	.2	.2	250
12	622	930	..	1	..	7310.14	3	.....	*	.080	.....	.....	..	12	....	1.0	.2	250
13	627	1100	..	1	..	5351.13	..	.....	*	.158	.....	.....	..	..	....	.6	.3	...
14	627	1100	..	1	..	5351.23	..	.....	*	.158	.....	.....	..	..	....	.8	.3	...
15	627	1100	..	1	..	5352.10	..	.....	*	.158	.....	.....	..	..	....	1.0	.3	...
16	627	1100	..	1	..	5352.20	..	.....	*	.158	.....	.....	..	..	....	1.4	.3	...
17	627	1100	..	1	..	7353.14	..	.....	*	.158	.....	.....	..	..	....	1.0	.3	...
18	627	1100	..	1	..	7353.24	..	.....	*	.158	.....	.....	..	..	....	.2	.3	...
19	705	910	..	1	..	7361.13	1	.....	*	.053	.....	.....	..	..	....	1.9	.3	350
20	705	910	..	1	..	7361.23	1	.....	*	.053	.....	.....	..	..	....	4.0	.3	350
21	705	910	..	1	..	7362.14	1	.....	*	.053	.....	.....	..	..	....	11.7	3.7	335
22	705	910	..	1	..	7362.24	1	.....	*	.053	.....	.....	..	..	....	2.8	.3	260
23	712	1250	..	1	..	7367.14	1	.....	*	.023	.....	.....	..	..	....	2.0	.3	...
24	712	1250	..	1	..	7367.24	1	.....	*	.023	.....	.....	..	..	....	11.4	.7	...
25	712	1250	..	1	..	7368.13	..	.....	*	.023	.....	.....	..	..	....	7.3	2.8	...
26	712	1250	..	1	..	7368.23	..	.....	*	.023	.....	.....	..	..	....	.4	.3	...
27	720	1400	..	1	..	7371.14	1	.....	*	.121	.....	.....	..	18	5.0	.0	.4	...
28	720	1400	..	1	..	7371.24	1	.....	*	.121	.....	.....	..	18	5.0	.0	.4	...
29	720	1400	..	1	..	7372.13	..	.....	*	.121	.....	.....	..	18	5.0	.0	.4	...
30	720	1400	..	1	..	7372.23	..	.....	*	.121	.....	.....	..	18	5.0	.0	.4	...
31	726	1100	..	1	..	6974.14	4	.....	*	.027	.....	.....	..	..	....	18.5	.4	300
32	726	1100	..	1	..	6974.24	4	.....	*	.027	.....	.....	..	..	....	2.2	.8	390
33	726	1100	..	1	..	6975.14	4	.....	*	.027	.....	.....	..	..	....	.5	.2	390
34	726	1100	..	1	..	6975.24	4	.....	*	.027	.....	.....	..	..	....	2.1	.3	390
35	726	1100	..	1	..	6976.13	4	.....	*	.027	.....	.....	..	..	....	.4	.3	390
36	726	1100	..	1	..	6976.23	4	.....	*	.027	.....	.....	..	..	....	1.6	.2	390
37	907	930	..	1	..	7333.14	2	.....	*	.078	.....	.....	..	..	....	1.6	.4	265
38	907	930	..	1	..	7333.24	2	.....	*	.078	.....	.....	..	..	....	1.2	.5	265
39	907	930	..	1	..	7334.13	2	.....	*	.078	.....	.....	..	..	....	1.6	.4	275
40	907	930	..	1	..	7334.23	2	.....	*	.078	.....	.....	..	..	....	2.0	.4	275
41	907	930	..	1	..	7335.14	2	.....	*	.078	.....	.....	..	..	....	6.3	.6	270
42	907	930	..	1	..	7335.24	2	.....	*	.078	.....	.....	..	..	....	1.2	.5	270
43	914	930	..	1	..	161.13	2	.....	*	.356	.....	.....	..	..	....	.6	.2	185
44	914	930	..	1	..	161.23	2	.....	*	.356	.....	.....	..	..	....	.8	.2	185
45	914	930	..	1	..	162.14	2	.....	*	.356	.....	.....	..	..	....	.2	.3	180
46	914	930	..	1	..	162.24	2	.....	*	.356	.....	.....	..	..	....	.6	.3	180
47	914	930	..	1	..	163.14	2	.....	*	.356	.....	.....	..	..	....	.6	.3	180
48	914	930	..	1	..	163.24	2	.....	*	.356	.....	.....	..	..	....	.0	.3	180
49	924	1230	..	1	..	171.13	2	.....	*	.537	.....	.....	..	..	....	.2	.3	160

50	924	1230	..	1	..	171.23	2	.....	*	.537	.....	.....	..	..	....	1.0	.2	160
51	924	1230	..	1	..	172.19	2	.....	*	.537	.....	.....	..	..	....	1.1	.2	160
52	924	1230	..	1	..	172.24	2	.....	*	.537	.....	.....	..	..	....	1.0	.3	160
53	924	1230	..	1	..	173.19	2	.....	*	.537	.....	.....	..	..	....	1.2	.3	160
54	924	1230	..	1	..	173.24	2	.....	*	.537	.....	.....	..	..	....	.9	.2	160

PHASE 3 CODE :
LOCATION : SW-17-51-21-W5
AREA : 6994 HA
LAT/LONG :

TABLE 50
WATER QUALITY DATA FOR LUSCAR CREEK,EDSON FOREST, 1984
SEPTEMBER 21, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	921	1105	..	1	..	7400.10	2	.....	..	.....	.....	.....	..	..	....	6.9	4.9	380
2	921	1105	..	1	..	7400.20	2	.....	..	.....	.....	.....	..	..	....	10.2	5.9	380

PEASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 51
WATER QUALITY DATA FOR MCLEOD RIVER, EDSON FOREST, 1984
JUNE 7, 1984 - SEPTEMBER 13, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	607	1300	..	1	..	5273.10	2	.....	*	1.383	.....	.....	..	..	....	2.7	1.7	190
2	607	1300	..	1	..	5273.20	2	.....	*	1.383	.....	.....	..	..	....	1.8	1.4	195
3	607	1600	12	4	..	5322.10	..	.....	..	.....	.....	.....	..	..	....	2.7	1.4	195
4	608	400	12	4	..	5323.10	..	.....	..	.....	.....	.....	..	..	....	13.8	3.8	180
5	608	1600	12	4	..	5324.10	..	.....	..	.....	.....	.....	..	..	....	20.3	5.2	170
6	609	400	12	4	..	5325.10	..	.....	..	.....	.....	.....	..	..	....	12.9	3.5	170
7	609	1600	12	4	..	5326.10	..	.....	..	.....	.....	.....	..	..	....	7.2	2.6	180
8	610	400	12	4	..	5327.10	..	.....	..	.....	.....	.....	..	..	....	6.8	2.4	185
9	610	1600	12	4	..	5328.10	..	.....	..	.....	.....	.....	..	..	....	4.7	1.7	190
10	611	400	12	4	..	5329.10	..	.....	..	.....	.....	.....	..	..	....	4.3	1.9	200
11	611	1600	12	4	..	5330.10	..	.....	..	.....	.....	.....	..	..	....	3.7	1.4	200
12	612	400	12	4	..	5331.10	..	.....	..	.....	.....	.....	..	..	....	4.2	1.9	200
13	612	1600	12	4	..	5332.10	..	.....	..	.....	.....	.....	..	..	....	5.0	1.7	200
14	613	400	12	4	..	5333.10	..	.....	..	.....	.....	.....	..	..	....	7.6	2.7	190
15	613	1600	12	4	..	5334.10	..	.....	..	.....	.....	.....	..	..	....	3.7	2.0	200
16	614	400	12	4	..	5335.10	..	.....	..	.....	.....	.....	..	..	....	8.7	2.6	190
17	614	1600	12	4	..	5336.10	..	.....	..	.....	.....	.....	..	..	....	2.7	1.4	195
18	615	400	12	4	..	5337.10	..	.....	..	.....	.....	.....	..	..	....	13.8	3.8	180
19	615	1600	12	4	..	5338.10	..	.....	..	.....	.....	.....	..	..	....	4.2	2.4	205
20	615	1600	12	4	..	5338.10	..	.....	..	.....	.....	.....	..	..	....	1.4	1.1	250
21	616	400	12	4	..	5339.10	..	.....	..	.....	.....	.....	..	..	....	5.6	2.1	200
22	616	400	12	4	..	5339.10	..	.....	..	.....	.....	.....	..	..	....	1.8	1.3	255
23	616	1600	12	4	..	5340.10	..	.....	..	.....	.....	.....	..	..	....	4.7	1.8	205
24	616	1600	12	4	..	5340.10	..	.....	..	.....	.....	.....	..	..	....	4.2	2.4	205
25	617	400	12	4	..	5341.10	..	.....	..	.....	.....	.....	..	..	....	3.7	2.0	200
26	617	400	12	4	..	5341.10	..	.....	..	.....	.....	.....	..	..	....	5.6	2.1	200
27	617	1600	12	4	..	5342.10	..	.....	..	.....	.....	.....	..	..	....	4.0	2.2	210
28	618	400	12	4	..	5343.10	..	.....	..	.....	.....	.....	..	..	....	3.4	1.7	220
29	618	1600	12	4	..	5344.10	..	.....	..	.....	.....	.....	..	..	....	4.6	2.1	220
30	619	400	12	4	..	5345.10	..	.....	..	.....	.....	.....	..	..	....	2.2	1.3	230
31	619	1600	12	4	..	5346.10	..	.....	..	.....	.....	.....	..	..	....	3.3	1.9	230
32	620	400	12	4	..	5347.10	..	.....	..	.....	.....	.....	..	..	....	1.6	1.3	240
33	620	1600	12	4	..	5348.10	..	.....	..	.....	.....	.....	..	..	....	1.4	1.2	240
34	621	400	12	4	..	5349.10	..	.....	..	.....	.....	.....	..	..	....	2.3	1.2	250
35	621	1500	..	1	..	5350.10	1	.....	*	1.152	.....	.....	..	..	....	1.4	.8	...
36	621	1500	..	1	..	5350.20	1	.....	*	1.152	.....	.....	..	..	....	1.8	.7	...
37	720	200	12	4	..	2001.10	..	.....	..	.....	.....	.....	..	..	....	13.2	1.9	390
38	720	1400	12	4	..	2002.10	..	.....	..	.....	.....	.....	..	..	....	12.5	.9	350
39	721	200	12	4	..	2003.10	..	.....	..	.....	.....	.....	..	..	....	56.4	4.1	325
40	721	1400	12	4	..	2004.10	..	.....	..	.....	.....	.....	..	..	....	15.4	1.4	335
41	722	200	12	4	..	2005.10	..	.....	..	.....	.....	.....	..	..	....	8.9	.5	335
42	722	1400	12	4	..	2006.10	..	.....	..	.....	.....	.....	..	..	....	11.4	.4	340
43	723	200	12	4	..	2007.10	..	.....	..	.....	.....	.....	..	..	....	40.5	3.3	310
44	723	1400	12	4	..	2008.10	..	.....	..	.....	.....	.....	..	..	....	9.4	.4	325
45	724	200	12	4	..	2009.10	..	.....	..	.....	.....	.....	..	..	....	4.8	.8	350
46	724	1400	12	4	..	2010.10	..	.....	..	.....	.....	.....	..	..	....	4.2	.4	350
47	725	200	12	4	..	2011.10	..	.....	..	.....	.....	.....	..	..	....	8.0	.7	350
48	725	1400	12	4	..	2012.10	..	.....	..	.....	.....	.....	..	..	....	7.8	.5	350
49	726	200	12	4	..	2013.10	..	.....	..	.....	.....	.....	..	..	....	6.7	.7	360

50	726	1400	12	4	..	2014.10	..	.....	..	.....	.....	.....	..	..	....	8.4	.8	360
51	727	200	12	4	..	2015.10	..	.....	..	.....	.....	.....	..	..	....	8.7	1.4	365
52	727	1400	12	4	..	2016.10	..	.....	..	.....	.....	.....	..	..	....	10.3	.8	365
53	728	200	12	4	..	2017.10	..	.....	..	.....	.....	.....	..	..	....	4.2	.5	375
54	728	1400	12	4	..	2018.10	..	.....	..	.....	.....	.....	..	..	....	4.7	.3	360
55	729	200	12	4	..	2019.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.5	370
56	729	1400	12	4	..	2020.10	..	.....	..	.....	.....	.....	..	..	....	4.8	.5	365
57	730	200	12	4	..	2021.10	..	.....	..	.....	.....	.....	..	..	....	4.5	.4	370
58	730	1400	12	4	..	2022.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.3	360
59	731	200	12	4	..	2023.10	..	.....	..	.....	.....	.....	..	..	....	4.7	.6	370
60	731	1400	12	4	..	2024.10	..	.....	..	.....	.....	.....	..	..	....	3.7	.4	370
61	801	200	12	4	..	2025.10	..	.....	..	.....	.....	.....	..	..	....	2.1	.4	370
62	801	1400	12	4	..	2026.10	..	.....	..	.....	.....	.....	..	..	....	2.3	.4	370
63	802	200	12	4	..	2027.10	..	.....	..	.....	.....	.....	..	..	....	2.8	.3	370
64	802	1400	12	4	..	2028.10	..	.....	..	.....	.....	.....	..	..	....	3.0	.3	375
65	802	1400	..	1	..	7359.13	4	.....	*	.211	.....	.....	..	..	....	.0	.2	320
66	802	1400	..	1	..	7359.23	4	.....	*	.211	.....	.....	..	..	....	.0	.2	320
67	802	1430	..	1	..	7358.14	4	.....	*	.211	.....	.....	..	..	....	.8	.2	295
68	802	1430	..	1	..	7358.24	4	.....	*	.211	.....	.....	..	..	....	.6	.5	295
69	803	200	12	4	..	2029.10	..	.....	..	.....	.....	.....	..	..	....	2.7	.3	320
70	803	1400	12	4	..	2030.10	..	.....	..	.....	.....	.....	..	..	....	1.6	.2	320
71	804	200	12	4	..	2031.10	..	.....	..	.....	.....	.....	..	..	....	2.4	.2	320
72	804	1400	12	4	..	2032.10	..	.....	..	.....	.....	.....	..	..	....	1.7	.3	320
73	805	200	12	4	..	2033.10	..	.....	..	.....	.....	.....	..	..	....	.0	.2	320
74	805	1400	12	4	..	2034.10	..	.....	..	.....	.....	.....	..	..	....	.0	.2	330
75	806	200	12	4	..	2035.10	..	.....	..	.....	.....	.....	..	..	....	1.0	.3	340
76	806	1400	12	4	..	2036.10	..	.....	..	.....	.....	.....	..	..	....	.0	.2	340
77	807	200	12	4	..	2037.10	..	.....	..	.....	.....	.....	..	..	....	1.4	.5	340
78	807	1400	12	4	..	2038.10	..	.....	..	.....	.....	.....	..	..	....	.9	.5	345
79	808	200	12	4	..	2039.10	..	.....	..	.....	.....	.....	..	..	....	1.0	.2	350
80	808	1400	12	4	..	2040.10	..	.....	..	.....	.....	.....	..	..	....	1.2	.1	350
81	809	200	12	4	..	2041.10	..	.....	..	.....	.....	.....	..	..	....	1.7	.2	350
82	809	1400	12	4	..	2042.10	..	.....	..	.....	.....	.....	..	..	....	.7	.2	350
83	810	200	12	4	..	2043.10	..	.....	..	.....	.....	.....	..	..	....	.2	.3	355
84	810	1400	12	4	..	2044.10	..	.....	..	.....	.....	.....	..	..	....	.0	.2	360
85	811	200	12	4	..	2045.10	..	.....	..	.....	.....	.....	..	..	....	1.1	.3	355
86	811	1400	12	4	..	2046.10	..	.....	..	.....	.....	.....	..	..	....	.9	.2	355
87	812	200	12	4	..	2047.10	..	.....	..	.....	.....	.....	..	..	....	.9	.3	360
88	812	1400	12	4	..	2048.10	..	.....	..	.....	.....	.....	..	..	....	5.2	.4	360
89	813	200	12	4	..	2501.10	..	.....	..	.....	.....	.....	..	..	....	3.8	.2	350
90	813	1400	12	4	..	2502.10	..	.....	..	.....	.....	.....	..	..	....	6.3	.2	350
91	814	200	12	4	..	2503.10	..	.....	..	.....	.....	.....	..	..	....	2.6	1.3	355
92	814	1400	12	4	..	2504.10	..	.....	..	.....	.....	.....	..	..	....	4.2	.3	360
93	815	200	12	4	..	2505.10	..	.....	..	.....	.....	.....	..	..	....	5.5	.2	360
94	815	1400	12	4	..	2506.10	..	.....	..	.....	.....	.....	..	..	....	3.8	.3	360
95	816	200	12	4	..	2507.10	..	.....	..	.....	.....	.....	..	..	....	2.4	.6	350
96	817	1500	..	1	..	7391.14	4	.....	*	.066	.....	.....	..	..	....	.8	.5	395
97	817	1500	..	1	..	7391.24	4	.....	*	.066	.....	.....	..	..	....	.0	.3	390
98	817	1500	..	1	..	7392.13	4	.....	*	.066	.....	.....	..	..	....	.0	.3	380
99	817	1500	..	1	..	7392.23	4	.....	*	.066	.....	.....	..	..	....	.2	.4	380
100	830	1530	..	1	..	7331.13	4	.....	*	.145	.....	.....	..	..	....	3.1	.4	420
101	830	1530	..	1	..	7331.23	4	.....	*	.145	.....	.....	..	..	....	1.8	.6	420
102	830	1600	..	1	..	7332.14	4	.....	*	.145	.....	.....	..	..	....	2.2	.5	320
103	830	1600	..	1	..	7332.24	4	.....	*	.145	.....	.....	..	..	....	2.2	.3	325
104	913	1100	..	1	..	7342.13	2	.....	*	.233	.....	.....	..	..	....	1.4	.6	300
105	913	1100	..	1	..	7342.23	2	.....	*	.233	.....	.....	..	..	....	1.6	.5	300

PHASE 3 CODE :
LOCATION : 6-4-46-23-W5

AREA : 5040 *HA*
LAT/LONG :

TABLE 52
WATER QUALITY DATA FOR MISE CREEK, EDSON FOREST, 1984
AUGUST 10, 1984 - AUGUST 10, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	810	1300	..	1	..	5288.14	..	.....	..	.....	.....	.....	..	..	....	41.1	33.0	180
2	810	1300	..	1	..	5288.24	..	.....	..	.....	.....	.....	..	..	....	47.6	36.0	180
3	810	1300	..	1	..	5292.13	..	.....	..	.....	.....	.....	..	..	....	46.4	35.0	185
4	810	1300	..	1	..	5292.23	..	.....	..	.....	.....	.....	..	..	....	43.3	37.0	185

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 53
WATER QUALITY DATA FOR NONAME CREEK, EDSON FOREST, 1984
MAY 16, 1984 - MAY 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	516	....	..	1	..	1.13	..	.....	..	.....	.....	.....	..	..	....	6592.9	275.0	...
2	516	....	..	1	..	1.23	..	.....	..	.....	.....	.....	..	..	....	7076.1	280.0	...
3	516	....	..	1	..	2.14	..	.....	..	.....	.....	.....	..	..	....	4.6	.3	...
4	516	....	..	1	..	2.24	..	.....	..	.....	.....	.....	..	..	....	3.5	.3	...

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 54
WATER QUALITY DATA FOR ROUNDCROFT CREEK, EDSON FOREST, 1984
JUNE 1, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	601	1100	..	1	..	5266.13	1	.....	*	.053	.....	.....	..	..	....	7.1	2.8	315
2	601	1100	..	1	..	5266.23	1	.....	*	.053	.....	.....	..	..	....	6.9	3.0	325
3	601	1100	..	1	..	5267.14	1	.....	*	.053	.....	.....	..	..	....	6.7	2.8	310
4	601	1100	..	1	..	5267.24	1	.....	*	.053	.....	.....	..	..	....	6.7	2.8	310
5	607	1700	..	1	..	5277.13	2	.....	*	.089	.....	.....	..	..	....	6.9	1.7	330
6	607	1700	..	1	..	5277.23	2	.....	*	.089	.....	.....	..	..	....	6.3	1.7	335
7	607	1700	..	1	..	5305.14	2	.....	*	.089	.....	.....	..	..	....	4.1	1.7	330
8	607	1700	..	1	..	5305.24	2	.....	*	.089	.....	.....	..	..	....	4.2	1.7	330
9	627	1300	..	1	..	5280.14	4	.....	*	.027	.....	.....	..	..	....	24.9	4.1	...
10	627	1300	..	1	..	5280.24	4	.....	*	.027	.....	.....	..	..	....	23.7	4.7	...
11	627	1300	..	1	..	5289.13	4	.....	*	.027	.....	.....	..	..	....	32.9	6.4	...
12	627	1300	..	1	..	5289.23	4	.....	*	.027	.....	.....	..	..	....	32.0	5.7	...
13	706	1330	..	1	..	5284.13	1	.....	*	.025	.....	.....	..	..	....	10.2	1.7	...
14	706	1330	..	1	..	5284.23	1	.....	*	.025	.....	.....	..	..	....	12.7	2.4	...
15	706	1330	..	1	..	5286.14	1	.....	*	.025	.....	.....	..	..	....	6.8	1.9	...
16	706	1330	..	1	..	5286.24	1	.....	*	.025	.....	.....	..	..	....	8.0	1.8	...
17	822	1340	..	1	..	7398.13	1	.....	*	.023	.....	.....	..	..	....	8887.9	1100.0	445
18	822	1340	..	1	..	7398.23	1	.....	*	.023	.....	.....	..	..	....	14499.5	670.0	445
19	822	1405	..	1	..	7399.14	..	.....	*	.023	.....	.....	..	..	....	9.3	2.7	450
20	822	1405	..	1	..	7399.24	..	.....	*	.023	.....	.....	..	..	....	5.0	2.2	450
21	921	1345	..	1	..	100.13	2	.....	*	.789	.....	.....	..	..	....	86.0	53.0	300
22	921	1345	..	1	..	100.23	2	.....	*	.789	.....	.....	..	..	....	138.7	53.0	300
23	921	1430	..	1	..	101.14	2	.....	*	.789	.....	.....	..	..	....	101.8	47.0	300
24	921	1430	..	1	..	101.24	2	.....	*	.789	.....	.....	..	..	....	89.2	39.0	300
25	921	1500	..	1	..	103.14	2	.....	*	.789	.....	.....	..	..	....	30.2	23.0	295
26	921	1500	..	1	..	103.24	2	.....	*	.789	.....	.....	..	..	....	29.2	22.0	295
27	921	1530	..	1	..	102.14	2	.....	*	.789	.....	.....	..	..	....	33.3	14.0	295
28	921	1530	..	1	..	102.24	2	.....	*	.789	.....	.....	..	..	....	31.6	11.0	295

PHASE 3 CODE :
LOCATION : SE-29-52-23-W5
AREA : 1764 HA
LAT/LONG :

**** EDSSTREGIS84 EDSSTREGIS84

TABLE 55
WATER QUALITY DATA FOR ST.REGIS CROSSING,EDSON FOREST, 1984
JULY 16, 1984 - AUGUST 13, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	716	1100	..	1	..	5287.13	4	.....	..	.....	.....	.....	..	..	....	55.0	35.0	185
2	716	1100	..	1	..	5287.23	4	.....	..	.....	.....	.....	..	..	....	52.9	33.0	185
3	729	1000	..	1	..	5298.13	1	.....	..	.....	.....	.....	..	..	....	53.1	31.0	390
4	729	1000	..	1	..	5298.23	1	.....	..	.....	.....	.....	..	..	....	50.6	29.0	190
5	729	1000	..	1	..	5299.14	1	.....	..	.....	.....	.....	..	..	....	48.8	33.0	190
6	729	1000	..	1	..	5299.24	1	.....	..	.....	.....	.....	..	..	....	42.8	33.0	390
7	813	1200	..	1	..	5296.13	..	.....	..	.....	.....	.....	..	..	....	41.2	31.0	185
8	813	1200	..	1	..	5296.23	..	.....	..	.....	.....	.....	..	..	....	43.7	33.0	185
9	813	1200	..	1	..	5300.14	..	.....	..	.....	.....	.....	..	..	....	68.5	40.0	185
10	813	1200	..	1	..	5300.24	..	.....	..	.....	.....	.....	..	..	....	50.8	33.0	185

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

**** EDSTROUT84 EDSTROUT84

TABLE 56
WATER QUALITY DATA FOR TROUT CREEK, EDSON FOREST, 1984
AUGUST 22, 1984 - AUGUST 22, 1984

	DATE	TIME	SI HR	TY	MI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	822	1150	..	1	..	7397.10	4	.....	..	.....	.....	.....	..	..	....	46.3	30.0	185
2	822	1150	..	1	..	7397.20	4	.....	..	.....	.....	.....	..	..	....	40.8	33.0	185

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

TABLE 57
WATER QUALITY DATA FOR WOLF CREEK, EDSON FOREST, 1984
JULY 10, 1984 - AUGUST 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	710	1200	..	1	..	5290.13	4	.....	..	.....	.....	.....	..	..	....	51.9	33.0	185
2	710	1200	..	1	..	5290.23	4	.....	..	.....	.....	.....	..	..	....	54.1	36.0	185
3	710	1200	..	1	..	5291.14	4	.....	..	.....	.....	.....	..	..	....	48.8	38.0	185
4	710	1200	..	1	..	5291.24	4	.....	..	.....	.....	.....	..	..	....	45.8	31.0	185
5	803	1630	..	1	..	5307.14	..	.....	..	.....	.....	.....	..	..	....	43.1	33.0	185
6	803	1630	..	1	..	5307.24	..	.....	..	.....	.....	.....	..	..	....	37.2	30.0	185
7	803	1700	..	1	..	5306.13	..	.....	..	.....	.....	.....	..	..	....	38.6	34.0	185
8	803	1700	..	1	..	5306.23	..	.....	..	.....	.....	.....	..	..	....	53.0	31.0	185
9	816	900	..	1	..	5304.13	1	.....	..	.....	.....	.....	..	..	....	44.5	32.0	185
10	816	900	..	1	..	5304.23	1	.....	..	.....	.....	.....	..	..	....	48.6	33.0	185
11	816	900	..	1	..	5308.14	..	.....	..	.....	.....	.....	..	..	....	43.8	31.0	185
12	816	900	..	1	..	5308.24	..	.....	..	.....	.....	.....	..	..	....	43.6	32.0	185

PHASE 3 CODE :
LOCATION :

AREA : HA
LAT/LONG :

**** EDSYELLOWHEAD84 EDSYELLOWHEAD84

TABLE 58
WATER QUALITY DATA FOR YELLOWHEAD CREEK, EDSON FOREST, 1984
JUNE 22, 1984 - SEPTEMBER 7, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	622	1315	..	1	..	7312.13	3	.....	*	.083	.....	.....	..	..	....	1.0	.4	180
2	622	1315	..	1	..	7312.14	3	.....	*	.083	.....	.....	..	..	....	1.6	.5	180
3	705	1040	..	1	..	7363.14	1	.....	*	.030	.....	.....	..	..	....	2.0	.3	245
4	705	1040	..	1	..	7363.24	1	.....	*	.030	.....	.....	..	..	....	2.0	.3	245
5	705	1040	..	1	..	7364.13	1	.....	*	.030	.....	.....	..	..	....	2.5	.4	250
6	705	1040	..	1	..	7364.23	1	.....	*	.030	.....	.....	..	..	....	2.7	.3	250
7	712	1425	..	1	..	7369.14	1	.....	*	.029	.....	.....	..	..	....	.0	.4	...
8	712	1425	..	1	..	7369.24	1	.....	*	.029	.....	.....	..	..	....	.8	.4	...
9	712	1425	..	1	..	7370.13	1	.....	*	.029	.....	.....	..	..	....	2.4	.8	...
10	712	1425	..	1	..	7370.23	1	.....	*	.029	.....	.....	..	..	....	1.9	.7	...
11	720	1530	..	1	..	7373.13	1	.....	*	.029	.....	.....	..	18	5.0	32.0	19.0	...
12	720	1530	..	1	..	7373.23	1	.....	*	.029	.....	.....	..	18	5.0	30.1	19.0	...
13	720	1530	..	1	..	7374.14	1	.....	*	.029	.....	.....	..	18	5.0	34.3	22.0	...
14	720	1530	..	1	..	7374.24	1	.....	*	.029	.....	.....	..	18	5.0	38.9	23.0	...
15	726	1330	..	1	..	6970.14	4	.....	*	.013	.....	.....	..	..	....	1.5	.4	285
16	726	1330	..	1	..	6971.13	4	.....	*	.013	.....	.....	..	..	....	1.4	.4	290
17	726	1330	..	1	..	6971.23	4	.....	*	.013	.....	.....	..	..	....	2.1	.3	290
18	907	1300	..	1	..	7338.13	2	.....	..	.....	.....	.....	..	..	....	26.1	2.5	180
19	907	1300	..	1	..	7338.23	2	.....	..	.....	.....	.....	..	..	....	23.2	3.5	140
20	907	1300	..	1	..	7339.14	2	.....	..	.....	.....	.....	..	..	....	36.6	5.2	130
21	907	1300	..	1	..	7339.24	2	.....	..	.....	.....	.....	..	..	....	37.1	4.7	130
22	907	1330	..	1	..	7340.13	2	.....	*	.273	.....	.....	..	..	....	33.4	4.8	140
23	907	1330	..	1	..	7340.23	2	.....	*	.273	.....	.....	..	..	....	37.7	7.7	140
24	907	1330	..	1	..	7341.14	2	.....	*	.273	.....	.....	..	..	....	30.0	7.0	135
25	907	1330	..	1	..	7341.24	2	.....	*	.273	.....	.....	..	..	....	31.7	7.2	135

PHASE 3 CODE :
LOCATION : 32-48-21-W5

AREA : 1512 HA
LAT/LONG :

**** GPSBIGMOUNTAIN84 GPSBIGMOUNTAIN84

TABLE 59
WATER QUALITY DATA FOR BIG MOUNTAIN CREEK, GRANDE PRAIRIE FOREST, 1984
JUNE 22, 1984 - JUNE 22, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	622	1100	..	1	..	6590.10	1	.....	*	.230	.....	.....	..	..	....	12.8	9.5	380
2	622	1100	..	1	..	6591.10	1	.....	*	.230	.....	.....	..	..	....	291.8	85.0	380
3	622	1100	..	1	..	6592.10	1	.....	*	.230	.....	.....	..	..	....	88.4	38.0	380
4	622	1100	..	1	..	6593.10	1	.....	*	.230	.....	.....	..	..	....	64.0	32.0	390

PHASE 3 CODE :
LOCATION :

AREA : HA
LAT/LONG :

TABLE 60
WATER QUALITY DATA FOR BOULDER CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 5, 1984 - AUGUST 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	505	1030	..	1	..	5398.10	1	.468	*	.876	.....	.....	..	..	....	67.7	38.0	230
2	515	1400	..	1	..	5426.10	1	.530	*	1.614	.650	.....	..	..	....	96.3	61.0	200
3	517	1400	..	1	..	5431.10	2	.670	*	3.947	.735	.....	..	..	....	743.5	370.0	170
4	519	1330	..	1	..	5659.10	4	.520	*	1.525	.670	.....	..	..	....	149.4	74.0	198
5	521	1350	..	1	..	5557.10	4	.450	*	1.174	.510	.....	..	..	....	94.7	46.0	209
6	525	1330	..	1	..	5589.10	1	.380	*	.554	.450	.....	..	..	....	28.9	21.0	240
7	530	1230	..	1	..	5801.10	1	.405	*	.612	.405	.....	..	..	....	25.9	25.0	250
8	601	1300	..	1	..	6179.10	1	.400	*	.667	.405	.....	..	..	5.2	15.6	14.0	250
9	604	1400	..	1	..	6181.10	1	.380	*	.530	.390	.....	..	..	2.6	16.9	14.0	260
10	606	1300	..	1	..	5815.10	1	.400	*	.605	.400	.....	..	..	10.0	18.6	14.0	260
11	609	1200	..	1	..	6187.10	4	.590	*	2.941	.680	.....	..	..	28.0	270.9	92.0	180
12	611	1030	..	1	..	6193.10	4	.520	*	1.315	.610	.....	..	..	.0	64.3	33.0	215
13	616	1200	..	1	..	6206.10	4	.492	*	1.012	.570	.....	..	..	13.0	100.2	53.0	250
14	619	1500	..	1	..	5830.10	4	.412	*	.692	.477	.....	..	..	1.8	11.4	6.5	260
15	620	1200	..	1	..	5834.10	1	.408	*	.527	.412	.....	..	..	.2	14.6	6.0	265
16	627	1130	..	1	..	6210.10	1	.372	*	.454	.468	.....	..	..	....	7.8	7.8	310
17	629	1400	..	1	..	6598.10	2	.372	*	.429	.372	.....	..	..	12.3	42.8	30.0	...
18	629	1400	..	1	..	6599.10	2	.372	*	.429	.372	.....	..	..	12.3	642.2	220.0	...
19	707	1700	..	1	..	6221.10	1	.378	*	.373	.437	.....	..	..	15.2	2.6	2.8	...
20	717	1315	..	1	..	5879.10	1	.311	*	.084	.365	.....	..	..	5.5	17.2	2.3	...
21	719	1130	..	1	..	7178.10	1	.292	*	.089	.311	.....	..	..	.4	3.5	2.2	...
22	731	1200	..	1	..	7214.10	1	.281	*	.051	.281	.....	..	..	9.2	4.0	1.8	...
23	817	1230	..	1	..	8562.10	1	.274	*	.079	.437	.....	..	..	39.4	3.2	1.0	420

PHASE 3 CODE : A9C17A7 AREA : 7580 HA
LOCATION : 12-63-8-W6 LAT/LONG :
RATING CURVE : FLOW = 1.845 - 12.786(STAGE) + 23.761(STAGE)*2
COMMENTS : CREST GAUGE USED. SANGAMO RAIN GAUGE.

TABLE 61
WATER QUALITY DATA FOR BULL CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 3, 1984 - SEPTEMBER 13, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	....	1	3	2	5399.10	..	.....	..	.....	.....	.....	..	..	....	25.2	18.0	150
2	503	....	1	3	2	5400.10	..	.....	..	.....	.....	.....	..	..	....	46.1	18.0	150
3	503	....	1	3	2	5402.10	..	.....	..	.....	.....	.....	..	..	....	48.5	18.0	150
4	503	....	1	3	2	5403.10	..	.....	..	.....	.....	.....	..	..	....	227.3	16.0	150
5	503	....	1	3	2	5404.10	..	.....	..	.....	.....	.....	..	..	....	33.4	14.0	155
6	503	1230	..	1	..	5397.10	1	.....	*	1.821	.....	.....	..	..	....	35.0	14.0	155
7	505	....	..	1	..	5405.10	1	.....	..	.....	.....	.....	..	..	....	12.0	24.0	155
8	510	....	1	3	2	5411.10	..	.....	..	.....	.....	.....	..	..	....	115.3	3.4	150
9	510	....	1	3	2	5412.10	1	.....	..	.....	.....	.....	..	..	....	17.8	4.9	150
10	510	....	1	3	2	5413.10	1	.....	..	.....	.....	.....	..	..	....	20.0	4.7	150
11	510	....	1	3	2	5414.10	1	.....	..	.....	.....	.....	..	..	....	19.6	5.6	155
12	510	....	1	3	2	5415.10	1	.....	..	.....	.....	.....	..	..	....	19.8	5.1	155
13	510	....	1	3	2	5416.10	1	.....	..	.....	.....	.....	..	..	....	20.0	5.1	160
14	510	....	1	3	2	5417.10	1	.....	..	.....	.....	.....	..	..	....	18.5	3.9	160
15	510	....	1	3	2	5718.10	1	.....	..	.....	.....	.....	..	..	....	18.4	4.6	155
16	511	....	1	3	2	5419.10	1	.....	..	.....	.....	.....	..	..	....	24.8	6.1	150
17	511	....	1	3	2	5420.10	1	.....	..	.....	.....	.....	..	..	....	29.3	7.3	150
18	511	....	1	3	2	5421.10	1	.....	..	.....	.....	.....	..	..	....	27.7	7.5	150
19	511	....	1	3	2	5422.10	1	.....	..	.....	.....	.....	..	..	....	37.6	10.0	150
20	511	....	1	3	2	5423.10	1	.....	..	.....	.....	.....	..	..	....	38.3	15.0	150
21	511	....	1	3	2	5424.10	1	.....	..	.....	.....	.....	..	..	....	40.6	17.0	150
22	515	1030	..	1	..	5425.10	1	.....	*	1.462	.....	.....	..	..	....	7.3	6.0	150
23	519	1030	..	1	..	5657.10	4	.....	*	2.286	.....	.....	..	..	....	42.2	9.9	130
24	521	1010	..	1	..	5555.10	4	.....	*	1.066	.....	.....	..	..	....	13.7	5.6	142
25	523	1030	..	1	..	5579.10	1	.....	*	.714	.....	.....	..	..	....	8.0	2.9	165
26	526	1000	..	1	..	5591.10	1	.....	*	.482	.....	.....	..	..	14.0	6.2	2.8	180
27	530	1000	..	1	..	5800.10	1	.....	*	.385	.....	.....	..	..	7.6	3.8	3.0	205
28	604	1200	..	1	..	6182.10	1	.....	*	.307	.....	.....	..	..	8.8	2.2	1.8	210
29	606	900	..	1	..	5817.10	1	.....	*	.498	.....	.....	..	..	15.6	3.2	3.4	215
30	608	1600	..	1	..	6186.10	2	.....	*	2.321	.....	.....	..	..	16.2	70.8	29.0	155
31	611	1500	..	1	..	6197.10	4	.....	*	.793	.....	.....	..	..	.0	9.6	3.7	180
32	615	1430	..	1	..	6204.10	1	.355	*	.640	.....	.....	..	..	39.3	3.5	1.8	185
33	618	1425	..	1	..	5833.10	1	.330	*	.494	.....	.....	..	..	6.6	5.1	1.4	205
34	629	930	..	1	..	6594.10	1	.269	*	.133	.....	.....	..	..	11.3	2.3	.6	...
35	706	1200	..	1	..	6219.10	1	.271	*	.116	.....	.....	..	..	....	.6	.5	...
36	706	1200	..	1	..	6220.10	1	.271	*	.116	.....	.....	..	..	....	3.3	1.8	...
37	707	1100	..	1	..	6266.10	1	.269	*	.124	.....	.....	..	..	28.7	1.0	.5	...
38	707	1100	..	1	..	6267.10	1	.269	*	.124	.....	.....	..	..	28.7	1.5	1.2	...
39	717	1030	..	1	..	5877.10	1	.243	*	.057	.....	.....	..	..	6.3	3.4	.6	...
40	719	2000	..	1	..	7182.10	1	.236	*	.040	.....	.....	..	..	.5	1.6	1.7	...
41	731	1530	..	1	..	7212.10	1	.221	*	.025	.....	.....	..	..	1.4	.2	.4	...
42	816	1500	..	1	..	8560.10	1	.256	*	.092	.....	.....	..	..	75.5	5.4	1.8	375
43	823	1530	..	1	..	8728.10	1	.280	*	.145	.....	.....	..	..	6.9	2.2	.4	400
44	909	1130	..	1	..	8891.10	2	.336	*	.482	.....	.....	..	..	....	9.1	4.7	240
45	909	1130	..	1	..	8892.10	2	.336	*	.482	.....	.....	..	..	....	13.8	4.3	235
46	913	1000	..	1	..	8944.10	1	.431	*	2.201	.....	.....	..	..	....	19.4	14.0	160

PHASE 3 CODE : A9C17A12 AREA : 6620 HA
LOCATION : 1-65-8-W6 LAT/LONG :

RATING CURVE : FLOW = 643.195 * STAGE*6.597
COMMENTS : STEVENS RECORDER S.N. 108148-83. BELFORT RAIN GAUGE 274. ISCO SAMPLER A2713.SANG

TABLE 62
WATER QUALITY DATA FOR CALAHOO CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 7, 1984 - AUGUST 23, 1984

	DATE	TIME	SI NR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1430	..	1	..	5410.10	1	.220	*	.165	.....	.....	..	..	....	1.5	2.3	250
2	514	1430	..	1	..	5618.10	1	.324	*	.338	.....	.....	..	..	....	3.4	1.1	250
3	516	....	1	3	2	5434.10	..	.....	..	.591	.....	.....	..	..	....	67.7	25.0	240
4	516	....	1	3	2	5435.10	..	.....	..	.591	.....	.....	..	..	....	68.4	26.0	240
5	516	....	1	3	2	5437.10	..	.....	..	.591	.....	.....	..	..	....	49.1	18.0	250
6	516	....	1	3	2	5438.10	..	.....	..	.591	.....	.....	..	..	....	70.1	30.0	240
7	516	....	1	3	2	5439.10	..	.....	..	.591	.....	.....	..	..	....	96.2	32.0	245
8	516	1230	..	1	..	5428.10	2	.378	*	.546	.....	.....	..	..	....	32.3	14.0	240
9	516	1230	..	1	..	5429.10	2	.378	*	.546	.....	.....	..	..	....	31.8	15.0	240
10	517	....	1	3	2	5432.10	..	.....	..	1.478	.....	.....	..	..	....	72.0	32.0	240
11	517	....	1	3	2	5436.10	..	.....	..	1.478	.....	.....	..	..	....	50.7	23.0	230
12	517	....	1	3	2	5440.10	..	.....	..	1.478	.....	.....	..	..	....	56.6	23.0	230
13	517	....	1	3	2	5620.10	..	.....	..	1.478	.....	.....	..	..	....	53.3	18.0	230
14	517	....	1	3	2	5621.10	..	.....	..	1.478	.....	.....	..	..	....	218.0	68.0	230
15	517	....	1	3	2	5622.10	..	.....	..	1.478	.....	.....	..	..	....	204.3	85.0	230
16	517	....	1	3	2	5623.10	..	.....	..	1.478	.....	.....	..	..	....	90.0	38.0	230
17	517	....	1	3	2	5624.10	..	.....	..	1.478	.....	.....	..	..	....	70.8	26.0	230
18	517	....	1	3	2	5625.10	..	.....	..	1.478	.....	.....	..	..	....	58.8	23.0	230
19	517	....	1	3	2	5626.10	..	.....	..	1.478	.....	.....	..	..	....	64.7	28.0	230
20	517	....	1	3	2	5627.10	..	.....	..	1.478	.....	.....	..	..	....	48.0	18.0	240
21	517	....	1	3	2	5628.10	..	.....	..	1.478	.....	.....	..	..	....	44.9	18.0	240
22	518	....	1	3	2	5629.10	..	.....	..	1.286	.....	.....	..	..	....	35.5	14.0	225
23	518	....	1	3	2	5630.10	..	.....	..	1.286	.....	.....	..	..	....	39.8	15.0	225
24	518	....	1	3	2	5631.10	..	.....	..	1.286	.....	.....	..	..	....	32.4	15.0	225
25	518	....	1	3	2	5632.10	..	.....	..	1.286	.....	.....	..	..	....	27.9	12.0	210
26	518	....	1	3	2	5632.10	..	.....	..	1.286	.....	.....	..	..	....	27.9	12.0	210
27	518	....	1	3	2	5633.10	..	.....	..	1.286	.....	.....	..	..	....	22.8	4.6	215
28	518	....	1	3	2	5634.10	..	.....	..	1.286	.....	.....	..	..	....	26.0	12.0	200
29	518	1200	..	1	..	5436.10	4	.482	*	1.287	.....	.....	..	..	....	25.1	6.8	212
30	518	1230	..	1	..	5635.10	4	.482	*	1.287	.....	.....	..	..	....	21.9	6.3	212
31	520	....	1	3	2	5530.10	..	.....	..	.989	.....	.....	..	..	....	20.2	11.0	199
32	520	....	1	3	2	5531.10	..	.....	..	.989	.....	.....	..	..	....	16.3	4.3	212
33	520	....	1	3	2	5532.10	..	.....	..	.989	.....	.....	..	..	....	18.8	5.8	210
34	520	....	1	3	2	5533.10	..	.....	..	.989	.....	.....	..	..	....	19.2	5.6	210
35	520	....	1	3	2	5534.10	..	.....	..	.989	.....	.....	..	..	....	27.7	7.2	198
36	520	....	1	3	2	5535.10	..	.....	..	.989	.....	.....	..	..	....	21.7	5.8	200
37	520	....	1	3	2	5536.10	..	.....	..	.989	.....	.....	..	..	....	19.6	5.8	200
38	520	....	1	3	2	5537.10	..	.....	..	.989	.....	.....	..	..	....	25.1	6.5	200
39	520	....	1	3	2	5538.10	..	.....	..	.989	.....	.....	..	..	....	19.4	5.7	200
40	520	....	1	3	2	5539.10	..	.....	..	.989	.....	.....	..	..	....	22.2	5.5	200
41	520	....	1	3	2	5540.10	..	.....	..	.989	.....	.....	..	..	....	24.9	6.2	200
42	520	....	1	3	2	5541.10	..	.....	..	.989	.....	.....	..	..	....	20.2	5.8	200
43	520	....	1	3	2	5542.10	..	.....	..	.989	.....	.....	..	..	....	15.3	5.0	200
44	520	....	1	3	2	5543.10	..	.....	..	.989	.....	.....	..	..	....	15.2	4.4	195
45	520	....	1	3	2	5544.10	..	.....	..	.989	.....	.....	..	..	....	14.3	3.7	200
46	520	....	1	3	2	5545.10	..	.....	..	.989	.....	.....	..	..	....	13.7	4.3	200
47	520	....	1	3	2	5546.10	..	.....	..	.989	.....	.....	..	..	....	13.9	4.7	200
48	520	....	1	3	2	5547.10	..	.....	..	.989	.....	.....	..	..	....	13.1	4.0	200
49	520	....	1	3	2	5548.10	..	.....	..	.989	.....	.....	..	..	....	18.0	5.8	200

50	520	....	1	3	2	5549.10	..	.....	..	.989	.....	.....	..	..	....	13.0	6.0	200
51	520	....	1	3	2	5550.10	..	.....	..	.989	.....	.....	..	..	....	18.4	6.3	200
52	520	....	1	3	2	5551.10	..	.....	..	.989	.....	.....	..	..	....	16.5	5.5	200
53	520	....	1	3	2	5552.10	..	.....	..	.989	.....	.....	..	..	....	13.5	5.5	200
54	520	....	1	3	2	5553.10	..	.....	..	.989	.....	.....	..	..	....	12.0	4.6	200
55	520	....	1	3	2	5554.10	..	.....	..	.989	.....	.....	..	..	....	14.1	5.2	200
56	520	....	1	3	2	5559.10	..	.....	..	.989	.....	.....	..	..	....	30.1	8.8	240
57	520	....	1	3	2	5560.10	..	.....	..	.989	.....	.....	..	..	....	167.5	63.0	200
58	520	....	1	3	2	5561.10	..	.....	..	.989	.....	.....	..	..	....	49.6	20.0	190
59	520	....	1	3	2	5562.10	..	.....	..	.989	.....	.....	..	..	....	32.2	7.7	190
60	520	....	1	3	2	5563.10	..	.....	..	.989	.....	.....	..	..	....	36.0	10.0	195
61	520	....	1	3	2	5564.10	..	.....	..	.989	.....	.....	..	..	....	21.6	10.0	195
62	521	....	1	3	2	5565.10	..	.....	..	.873	.....	.....	..	..	....	29.2	8.0	190
63	521	....	1	3	2	5566.10	..	.....	..	.873	.....	.....	..	..	....	25.0	7.8	190
64	521	....	1	3	2	5567.10	..	.....	..	.873	.....	.....	..	..	....	17.0	5.2	190
65	521	....	1	3	2	5568.10	..	.....	..	.873	.....	.....	..	..	....	17.7	3.8	190
66	521	....	1	3	2	5569.10	..	.....	..	.873	.....	.....	..	..	....	17.5	3.4	190
67	521	....	1	3	2	5570.10	..	.....	..	.873	.....	.....	..	..	....	22.5	4.0	190
68	521	....	1	3	2	5571.10	..	.....	..	.873	.....	.....	..	..	....	11.2	4.6	190
69	521	....	1	3	2	5572.10	..	.....	..	.873	.....	.....	..	..	....	65.4	28.0	190
70	521	....	1	3	2	5573.10	..	.....	..	.873	.....	.....	..	..	....	40.0	18.0	190
71	521	....	1	3	2	5574.10	..	.....	..	.873	.....	.....	..	..	....	45.0	9.6	195
72	521	....	1	3	2	5575.10	..	.....	..	.873	.....	.....	..	..	....	20.0	6.3	190
73	521	....	1	3	2	5576.10	..	.....	..	.873	.....	.....	..	..	....	12.4	7.4	190
74	522	....	1	3	2	5577.10	..	.....	..	.732	.....	.....	..	..	....	7.1	5.0	190
75	525	1045	..	1	..	5585.10	1	.355	*	.461	.....	.....	..	..	....	6.9	3.4	185
76	606	950	..	1	..	5825.10	2	.377	*	.564	.....	.....	..	..	....	7.2	2.8	190
77	607	1530	..	1	..	5818.10	2	.404	*	.736	.....	.....	..	..	12.1	36.8	20.0	190
78	607	1530	..	1	..	5819.10	2	.404	*	.736	.....	.....	..	..	12.1	14.6	4.4	195
79	621	1115	..	1	..	6587.10	1	.302	*	.707	.....	.....	..	..	12.0	2.7	1.2	260
80	703	1500	..	1	..	6602.10	1	.202	*	.052	.....	.....	..	..	11.4	6.9	4.4	...
81	709	1030	..	1	..	5872.10	1	.193	*	.010	.....	.....	..	..	9.4	8.4	4.6	...
82	716	1430	..	1	..	5876.10	1	.153	*	.010	.....	.....	..	..	2.8	11.4	3.9	...
83	723	1030	..	1	..	7221.10	1	.134	*	.007	.....	.....	..	..	3.4	8.9	2.7	...
84	730	1500	..	1	..	7217.10	1	.109	*	.004	.....	.....	..	..	.8	7.6	3.8	...
85	823	1100	..	1	..	8572.10	1	.123	*	.006	.....	.....	..	..	13.5	6.5	5.2	450

PHASE 3 CODE : A9B20D3 *AREA* : 8280 *HA*
LOCATION : 19-68-12-W6 *LAT/LONG* :
RATING CURVE : *FLOW* = .41 - 4.361(*STAGE*) + 12.84(*STAGE*)*2
COMMENTS : *STEVENS,BELFORT RAIN GAUGE,ISCO SAMPLER,SANGAMO RAIN GAUGE ON SITE.*

TABLE 63
WATER QUALITY DATA FOR DEEP VALLEY CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 6, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1130	..	1	..	5406.10	..	.....	*	1.345	.....	.....	..	..	....	13.3	4.3	145
2	516	1230	..	1	..	5433.10	2	.....	*	2.320	.....	.....	..	..	....	507.2	98.0	140
3	517	1230	..	1	..	5397.10	4	.860	..	14.439	.....	.....	..	..	....	2093.5	100.0	130
4	528	1230	..	1	..	5793.10	1	.408	*	.775	.....	.....	..	..	....	7.2	2.8	190
5	606	1500	..	1	..	5824.10	2	.514	*	1.821	.....	.....	..	..	....	68.7	19.0	150
6	620	1130	..	1	..	6588.10	1	.359	*	.411	.....	.....	..	..	44.4	10.3	4.2	225
7	628	1100	..	1	..	6212.10	1	.339	*	.328	.....	.....	..	..	17.2	2.7	.7	...
8	705	1430	..	1	..	6215.10	1	.309	*	.260	.....	.....	..	..	17.3	1.2	1.0	...
9	716	1400	..	1	..	5875.10	1	.286	*	.133	.....	.....	..	..	22.8	2.6	.7	...
10	720	1630	..	1	..	7183.10	1	.274	*	.108	.....	.....	..	..	3.2	5.3	.8	...
11	801	1200	..	1	..	7195.10	1	.269	..	.082	.....	.....	..	..	3.0	.8	.6	...
12	813	1600	..	1	..	8559.10	1	.279	*	.125	.....	.....	..	..	42.3	2.0	.8	390
13	826	200	..	1	..	8733.10	1	.325	..	.295	.....	.....	..	..	35.0	1.7	.9	395
14	910	1300	..	1	..	8894.10	2	.564	..	2.217	.....	.....	..	..	89.0	22.7	10.0	310
15	919	1130	..	1	..	8998.10	4	.470	*	1.256	.....	.....	..	..	....	11.9	4.2	160
16	919	1130	..	1	..	8998.20	4	.470	*	1.256	.....	.....	..	..	....	15.4	3.9	160
17	919	1130	..	1	..	8999.10	4	.470	*	1.256	.....	.....	..	..	....	17.0	3.9	160
18	919	1130	..	1	..	8999.20	4	.470	*	1.256	.....	.....	..	..	....	7.1	3.3	160

PHASE 3 CODE : A9B14C2 AREA : 9870 HA
LOCATION : 2-63-25-W5 LAT/LONG :
RATING CURVE : FLOW = 29.685 * STAGE*4.226
COMMENTS : STEVENS RECORDER,BELFORT RAIN GAUGE,SANGAMO RAIN GAUGE ON SITE.

TABLE 64

WATER QUALITY DATA FOR GUNDERSON CREEK, GRANDE PRAIRIE FOREST, 1984

MAY 22, 1984 - AUGUST 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	522	1200	..	1	..	5578.10	4	.....	..	.957	.....	.....	..	..	....	17.3	6.0	210
2	527	1200	..	1	..	5586.10	1	.....	*	.647	.....	.....	..	..	....	10.4	4.5	235
3	529	1415	..	1	..	5795.10	1	.....	..	.....	.....	.....	..	..	....	25.2	15.0	230
4	604	1520	..	1	..	5806.10	1	.....	..	.....	.....	.....	..	..	....	8.9	6.7	225
5	607	1300	..	1	..	5823.10	2	.....	..	.....	.....	.....	..	..	....	156.9	47.0	220
6	612	....	1	3	2	5593.10	..	.....	..	.....	.....	.....	..	..	....	88.5	47.0	220
7	612	....	1	3	2	5594.10	..	.....	..	.....	.....	.....	..	..	....	89.2	47.0	215
8	612	....	1	3	2	5595.10	..	.....	..	.....	.....	.....	..	..	....	93.1	47.0	220
9	612	....	1	3	2	5596.10	..	.....	..	.....	.....	.....	..	..	....	120.1	52.0	220
10	612	....	1	3	2	5597.10	..	.....	..	.....	.....	.....	..	..	....	95.9	52.0	220
11	612	....	1	3	2	5598.10	..	.....	..	.....	.....	.....	..	..	....	101.1	50.0	220
12	612	....	1	3	2	5599.10	..	.....	..	.....	.....	.....	..	..	....	105.2	51.0	215
13	612	....	1	3	2	5600.10	..	.....	..	.....	.....	.....	..	..	....	99.6	46.0	220
14	612	....	1	3	2	5601.10	..	.....	..	.....	.....	.....	..	..	....	98.1	50.0	215
15	612	....	1	3	2	5602.10	..	.....	..	.....	.....	.....	..	..	....	96.5	48.0	215
16	612	....	1	3	2	5603.10	..	.....	..	.....	.....	.....	..	..	....	97.1	47.0	220
17	612	....	1	3	2	5604.10	..	.....	..	.....	.....	.....	..	..	....	101.6	47.0	220
18	612	....	1	3	2	5605.10	..	.....	..	.....	.....	.....	..	..	....	94.5	42.0	215
19	612	....	1	3	2	5606.10	..	.....	..	.....	.....	.....	..	..	....	102.5	48.0	215
20	612	....	1	3	2	5607.10	..	.....	..	.....	.....	.....	..	..	....	92.8	48.0	220
21	612	....	1	3	2	5608.10	..	.....	..	.....	.....	.....	..	..	....	96.5	45.0	220
22	612	....	1	3	2	5609.10	..	.....	..	.....	.....	.....	..	..	....	87.1	44.0	220
23	612	....	1	3	2	5610.10	..	.....	..	.....	.....	.....	..	..	....	99.2	48.0	220
24	612	....	1	3	2	5611.10	..	.....	..	.....	.....	.....	..	..	....	61.4	37.0	225
25	612	930	..	1	..	5612.10	4	.....	*	1.124	.....	.....	..	..	15.4	12.6	5.8	230
26	614	1030	..	1	..	5826.10	4	.450	*	1.624	.....	.....	..	..	9.4	35.4	17.0	200
27	618	1130	..	1	..	5881.10	1	.382	*	.981	.....	.....	..	..	4.9	18.2	6.0	230
28	625	1430	..	1	..	5884.10	1	.362	*	.658	.....	.....	..	..	3.2	10.1	3.0	...
29	627	1030	..	1	..	5887.10	1	.362	*	.599	.....	.....	..	..	3.5	7.8	2.5	...
30	628	1040	..	1	..	5888.10	1	.360	*	.556	.....	.....	..	..	.2	7.6	2.6	...
31	629	1300	..	1	..	5892.10	1	.352	*	.507	.....	.....	..	..	3.2	8.0	2.3	...
32	630	1015	..	1	..	5898.10	1	.382	*	.851	.....	.....	..	..	8.6	17.6	4.9	...
33	703	1130	..	1	..	5894.10	1	.349	*	.472	.....	.....	..	..	.0	5.8	2.6	...
34	704	1300	..	1	..	6603.10	1	.340	*	.432	.....	.....	..	..	.2	9.8	2.9	...
35	710	1315	..	1	..	5901.10	1	.318	*	.350	.....	.....	..	..	8.4	148.7	5.7	...
36	716	1100	..	1	..	5906.10	1	.304	*	.318	.....	.....	..	..	15.0	6.5	3.2	...
37	718	1800	..	1	..	7177.10	1	.289	*	.299	.....	.....	..	..	.3	5.2	1.8	...
38	721	1500	..	1	..	6608.10	2	.294	*	.326	.....	.....	..	..	12.9	10.8	4.2	...
39	725	1530	..	1	..	7197.10	1	.280	*	.263	.....	.....	..	..	2.0	11.2	2.7	310
40	728	1330	..	1	..	6609.10	1	.250	*	.196	.....	.....	..	..	.0	15.6	1.7	...
41	803	1400	..	1	..	8459.10	1	.232	*	.192	.....	.....	..	..	2.4	5.5	1.9	340
42	811	1730	..	1	..	8221.10	1	.218	*	.132	.....	.....	..	..	25.4	23.1	4.2	335
43	814	1630	..	1	..	8321.10	2	.258	*	.247	.....	.....	..	..	23.9	6.1	2.5	350
44	819	1000	..	1	..	8391.10	1	.233	*	.329	.....	.....	..	..	4.1	2.6	1.8	360
45	821	1400	..	1	..	8658.10	1	.218	*	.166	.....	.....	..	..	.4	3.4	1.8	360

PHASE 3 CODE : A9D18D1

LOCATION : 29-63-11-W6 AREA : 8520 HA

RATING CURVE : FLOW = 2.195 - 16.618(STAGE) + 34.111(STAGE)*2 LAT/LONG :

COMMENTS : STEVENS,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON SITE.

TABLE 65
WATER QUALITY DATA FOR KARR CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 6, 1984 - SEPTEMBER 4, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	506	1400	..	1	..	5407.10	..	.....	*	.582	.....	.....	..	..	....	51.0	36.0	105
2	518	1130	..	1	..	5637.10	4	.....	*	2.547	.....	.....	..	..	....	314.9	250.0	110
3	520	1030	..	1	..	5660.10	4	.....	*	1.608	.....	.....	..	..	....	128.9	67.0	82
4	524	1300	..	1	..	5584.10	1	.690	*	.942	.....	.....	..	..	....	48.1	35.0	90
5	531	1015	..	1	..	5802.10	4	.610	*	.507	.670	.....	..	..	....	29.2	19.0	90
6	606	1200	..	1	..	5822.10	4	.620	*	.678	.660	.....	..	..	....	60.4	40.0	105
7	608	1230	..	1	..	6556.10	1	.720	..	1.564	.720	.....	..	..	24.6	207.9	100.0	115
8	610	1530	..	1	..	6192.10	4	.690	*	1.241	.770	.....	..	..	.1	64.9	35.0	100
9	612	1400	..	1	..	6198.10	4	.700	*	1.006	.720	.....	..	..	5.4	545.1	37.0	100
10	614	1400	..	1	..	6202.10	1	.629	*	.702	.671	.....	..	..	1.4	26.6	18.0	240
11	617	1200	..	1	..	5828.10	1	.581	*	.534	.609	.....	..	..	5.9	23.2	15.0	100
12	628	1400	..	1	..	6214.10	1	.446	..	.156	.560	.....	..	..	10.0	12.2	13.0	...
13	630	1130	..	1	..	6601.10	2	.494	*	.259	.494	.....	..	..	18.2	25.7	22.0	...
14	705	1900	..	1	..	6216.10	1	.435	*	.153	.630	.....	..	..	13.2	47.4	26.0	...
15	709	1630	..	1	..	5904.10	1	.497	*	.274	.....	.....	..	..	14.8	19.8	15.0	...
16	716	1230	..	1	..	5874.10	1	.425	*	.087	.496	.....	..	..	7.6	12.7	17.0	...
17	720	1500	..	1	..	7184.10	1	.400	*	.085	.400	.....	..	..	....	6.8	1.9	...
18	723	1200	..	1	..	7222.10	1	.412	*	.072	.412	.....	..	..	17.0	27.0	9.5	...
19	801	1030	..	1	..	7194.10	1	.369	..	.....	.369	.....	..	..	2.0	21.6	18.0	...
20	806	1230	..	1	..	8397.10	1	.359	..	.....	.....	.....	..	..	9.2	21.5	25.0	200
21	813	1400	..	1	..	8558.10	1	.317	*	.012	.329	.....	..	..	3.6	18.8	19.0	225
22	820	1500	..	1	..	8571.10	1	.330	..	.....	.360	.....	..	..	31.2	26.8	24.0	240
23	826	1130	..	1	..	8732.10	1	.325	..	.....	.....	.....	..	..	2.6	10.0	9.7	250
24	904	1315	..	1	..	8793.10	..	.340	..	.....	.360	.....	..	..	....	9.8	14.0	255

PHASE 3 CODE : A9B15B3 AREA : 3670 HA
LOCATION : 25-64-2-W6 LAT/LONG :
RATING CURVE : FLOW = 8.3 * STAGE*5.239
COMMENTS : CREST GAUGE, SANGAMO RAIN GAUGE ON SITE.

TABLE 66
WATER QUALITY DATA FOR KENNY CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 29, 1984 - AUGUST 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	529	1100	..	1	..	5797.10	1	.507	*	.460	.....	.....	..	..	....	96.9	52.0	115
2	605	1100	..	1	..	5808.10	1	.485	*	.304	.540	.....	..	..	17.3	11.7	7.2	125
3	612	1600	..	1	..	6200.10	4	.491	*	.406	.....	.....	..	..	40.4	163.3	72.0	135
4	619	1100	..	1	..	5832.10	4	.440	*	.233	.530	.....	..	..	9.8	4.9	1.7	175
5	627	1300	..	1	..	6209.10	1	.418	*	.161	.427	.....	..	..	15.5	3.0	1.9	220
6	707	1400	..	1	..	6269.10	1	.440	*	.204	.440	.....	..	..	28.2	1.5	1.4	...
7	719	1600	..	1	..	7180.10	1	.319	*	.073	.441	.....	..	..	8.4	1.5	.8	...
8	731	1300	..	1	..	7216.10	2	.435	*	.223	.435	.....	..	..	29.6	17.0	10.0	...
9	817	1345	..	1	..	8563.10	1	.410	*	.151	.580	.....	..	..	56.3	3.3	1.4	245

PHASE 3 CODE : A9C16E3 AREA : 1150 HA
LOCATION : 21-62-9-W6 LAT/LONG :
RATING CURVE : FLOW = .028 - 2.059(STAGE) + 5.667(STAGE)*2
COMMENTS : CREST GAUGE,STANDARD RAIN GAUGE,RICHARD WATER LEVEL RECORDER ON SITE.

TABLE 67
WATER QUALITY DATA FOR LATORNELL RIVER, GRANDE PRAIRIE FOREST, 1984
MAY 15, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																35.6	22.0	215
1	515	1300	..	1	..	5617.10	1	.330	*	2.459	.....	.....	..	..	....	1457.7	920.0	220
2	518	....	1	3	2	5638.10	..	.....	..	12.850	.....	.....	..	..	....	1856.8	420.0	200
3	518	....	1	3	2	5639.10	..	.....	..	12.850	.....	.....	..	..	....	1982.1	520.0	195
4	518	....	1	3	2	5640.10	..	.....	..	12.850	.....	.....	..	..	....	2185.2	800.0	180
5	518	....	1	3	2	5641.10	..	.....	..	12.850	.....	.....	..	..	....	2299.7	680.0	190
6	518	....	1	3	2	5642.10	..	.....	..	12.850	.....	.....	..	..	....	1751.3	640.0	180
7	518	....	1	3	2	5643.10	..	.....	..	12.850	.....	.....	..	..	....	1635.9	530.0	170
8	518	....	1	3	2	5644.10	..	.....	..	12.850	.....	.....	..	..	....	1316.4	300.0	170
9	518	....	1	3	2	5645.10	..	.....	..	12.850	.....	.....	..	..	....	1212.9	320.0	165
10	518	....	1	3	2	5646.10	..	.....	..	12.850	.....	.....	..	..	....	1050.1	560.0	175
11	518	....	1	3	2	5647.10	..	.....	..	12.850	.....	.....	..	..	....	1003.6	670.0	170
12	518	....	1	3	2	5648.10	..	.....	..	12.850	.....	.....	..	..	....	953.0	320.0	160
13	518	....	1	3	2	5649.10	..	.....	..	12.850	.....	.....	..	..	....	916.1	300.0	160
14	518	....	1	3	2	5650.10	..	.....	..	12.850	.....	.....	..	..	....	906.4	320.0	160
15	518	....	1	3	2	5651.10	..	.....	..	12.850	.....	.....	..	..	....	833.8	330.0	165
16	518	....	1	3	2	5652.10	..	.....	..	12.850	.....	.....	..	..	....	723.0	300.0	165
17	518	....	1	3	2	5653.10	..	.....	..	12.850	.....	.....	..	..	....	744.8	200.0	160
18	518	....	1	3	2	5654.10	..	.....	..	12.850	.....	.....	..	..	....	570.2	600.0	160
19	518	....	1	3	2	5655.10	..	.....	..	12.850	.....	.....	..	..	....	520.2	260.0	160
20	518	....	1	3	2	5656.10	..	.....	..	12.850	.....	.....	..	..	....	106.7	58.0	188
21	520	1130	..	1	..	5529.10	4	.500	*	4.934	.....	.....	..	..	....	50.1	30.0	205
22	522	1300	..	1	..	5558.10	4	.379	*	2.818	.....	.....	..	..	....	51.0	32.0	220
23	524	1100	..	1	..	5582.10	1	.340	*	2.360	.....	.....	..	..	....	24.1	16.0	260
24	531	1200	..	1	..	5803.10	4	.258	*	1.396	.....	.....	..	..	11.2	151.0	80.0	260
25	606	1030	..	1	..	5820.10	3	.440	*	4.078	.....	.....	..	..	7.1	149.3	76.0	260
26	606	1030	..	1	..	5821.10	3	.440	*	4.078	.....	.....	..	..	....	202.4	68.0	215
27	608	....	1	3	2	6530.10	..	.....	..	7.955	.....	.....	..	..	....	209.3	74.0	258
28	608	....	1	3	2	6531.10	..	.....	..	7.955	.....	.....	..	..	....	134.8	62.0	252
29	608	....	1	3	2	6532.10	..	.....	..	7.955	.....	.....	..	..	....	107.4	42.0	245
30	608	....	1	3	2	6534.10	..	.....	..	7.955	.....	.....	..	..	....	191.2	57.0	230
31	608	....	1	3	2	6535.10	..	.....	..	7.955	.....	.....	..	..	....	102.5	38.0	233
32	608	....	1	3	2	6536.10	..	.....	..	7.955	.....	.....	..	..	....	89.0	39.0	237
33	608	....	1	3	2	6537.10	..	.....	..	7.955	.....	.....	..	..	....	133.9	49.0	238
34	608	....	1	3	2	6538.10	..	.....	..	7.955	.....	.....	..	..	....	125.5	46.0	240
35	608	....	1	3	2	6539.10	..	.....	..	7.955	.....	.....	..	..	....	35.5	73.0	231
36	608	....	1	3	2	6540.10	..	.....	..	7.955	.....	.....	..	..	....	156.6	63.0	231
37	608	....	1	3	2	6541.10	..	.....	..	7.955	.....	.....	..	..	....	238.8	72.0	230
38	608	....	1	3	2	6542.10	..	.....	..	7.955	.....	.....	..	..	....	267.6	66.0	228
39	608	....	1	3	2	6543.10	..	.....	..	7.955	.....	.....	..	..	....	406.2	94.0	224
40	608	....	1	3	2	6544.10	..	.....	..	7.955	.....	.....	..	..	....	385.4	89.0	200
41	608	....	1	3	2	6545.10	..	.....	..	7.955	.....	.....	..	..	....	479.3	160.0	205
42	608	....	1	3	2	6546.10	..	.....	..	7.955	.....	.....	..	..	....	439.6	160.0	212
43	608	....	1	3	2	6547.10	..	.....	..	7.955	.....	.....	..	..	....	443.7	150.0	219
44	608	....	1	3	2	6548.10	..	.....	..	7.955	.....	.....	..	..	....	413.5	145.0	225
45	608	....	1	3	2	6549.10	..	.....	..	7.955	.....	.....	..	..	....	316.3	260.0	195
46	608	....	1	3	2	6550.10	..	.....	..	7.955	.....	.....	..	..	....	290.6	220.0	195
47	608	....	1	3	2	6551.10	..	.....	..	7.955	.....	.....	..	..	....	288.3	180.0	190
48	608	....	1	3	2	6552.10	..	.....	..	7.955	.....	.....	..	..	....	292.5	130.0	190
49	608	....	1	3	2	6553.10	..	.....	..	7.955	.....	.....	..	..	....			

50	608	1030	..	1	..	6554.10	2	.625	*	7.182	.....	.....	..	..	24.5	321.2	120.0	190
51	608	1100	..	1	..	6555.10	2	.625	*	7.182	.....	.....	..	..	24.5	374.9	125.0	195
52	610	....	1	3	2	6558.10	..	.....	..	3.854	.....	.....	..	..	....	345.8	130.0	200
53	610	....	1	3	2	6559.10	..	.....	..	3.854	.....	.....	..	..	....	403.6	130.0	195
54	610	....	1	3	2	6560.10	..	.....	..	3.854	.....	.....	..	..	....	392.8	130.0	190
55	610	....	1	3	2	6561.10	..	.....	..	3.854	.....	.....	..	..	....	389.9	125.0	195
56	610	....	1	3	2	6562.10	..	.....	..	3.854	.....	.....	..	..	....	352.1	130.0	190
57	610	....	1	3	2	6563.10	..	.....	..	3.854	.....	.....	..	..	....	332.4	130.0	190
58	610	....	1	3	2	6564.10	..	.....	..	3.854	.....	.....	..	..	....	266.0	120.0	190
59	610	....	1	3	2	6565.10	..	.....	..	3.854	.....	.....	..	..	....	422.4	90.0	195
60	610	....	1	3	2	6566.10	..	.....	..	3.854	.....	.....	..	..	....	245.2	92.0	195
61	610	....	1	3	2	6567.10	..	.....	..	3.854	.....	.....	..	..	....	193.0	83.0	195
62	610	....	1	3	2	6568.10	..	.....	..	3.854	.....	.....	..	..	....	166.0	79.0	195
63	610	....	1	3	2	6569.10	..	.....	..	3.854	.....	.....	..	..	....	157.0	72.0	195
64	610	....	1	3	2	6570.10	..	.....	..	3.854	.....	.....	..	..	....	150.7	63.0	195
65	610	....	1	3	2	6571.10	..	.....	..	3.854	.....	.....	..	..	....	137.6	63.0	200
66	610	....	1	3	2	6572.10	..	.....	..	3.854	.....	.....	..	..	....	111.3	46.0	210
67	610	1400	..	1	..	6190.10	4	.429	*	3.470	.....	.....	..	..	.0	9967.0	36.0	200
68	610	1400	..	1	..	6191.10	4	.429	*	3.470	.....	.....	..	..	.0	68.3	35.0	200
69	612	....	2	3	2	6573.10	..	.....	..	2.883	.....	.....	..	..	....	65.2	38.0	210
70	612	....	2	3	2	6574.10	..	.....	..	2.883	.....	.....	..	..	....	74.5	43.0	210
71	612	....	2	3	2	6575.10	..	.....	..	2.883	.....	.....	..	..	....	58.4	38.0	210
72	612	....	2	3	2	6576.10	..	.....	..	2.883	.....	.....	..	..	....	67.7	43.0	210
73	612	....	2	3	2	6577.10	..	.....	..	2.883	.....	.....	..	..	....	57.8	39.0	210
74	612	....	2	3	2	6578.10	..	.....	..	2.883	.....	.....	..	..	....	64.9	38.0	210
75	612	....	2	3	2	6579.10	..	.....	..	2.883	.....	.....	..	..	....	53.9	28.0	210
76	612	....	2	3	2	6580.10	..	.....	..	2.883	.....	.....	..	..	....	53.1	34.0	210
77	612	....	2	3	2	6581.10	..	.....	..	2.883	.....	.....	..	..	....	43.1	25.0	220
78	612	....	2	3	2	6582.10	..	.....	..	2.883	.....	.....	..	..	....	43.3	26.0	225
79	612	....	2	3	2	6583.10	..	.....	..	2.883	.....	.....	..	..	....	45.9	27.0	225
80	612	....	2	3	2	6584.10	..	.....	..	2.883	.....	.....	..	..	....	39.0	24.0	230
81	612	....	2	3	2	6585.10	..	.....	..	2.883	.....	.....	..	..	....	41.8	27.0	225
82	612	....	2	3	2	6586.10	..	.....	..	2.883	.....	.....	..	..	....	42.7	28.0	230
83	612	1300	..	1	..	6199.10	4	.387	*	3.010	.....	.....	..	..	5.4	54.1	34.0	230
84	614	1230	..	1	..	6201.10	1	.325	*	2.041	.....	.....	..	..	5.4	44.1	33.0	100
85	617	1030	..	1	..	5827.10	1	.259	*	1.378	.....	.....	..	..	2.8	20.0	15.0	270
86	620	1445	..	1	..	6589.10	1	.201	*	.916	.....	.....	..	..	1.6	15.6	9.0	315
87	623	1500	..	1	..	6208.10	1	.165	*	.783	.....	.....	..	..	1.2	8.2	7.8	330
88	628	1300	..	1	..	6213.10	1	.156	*	.735	.....	.....	..	..	7.8	10.7	9.7	...
89	630	1030	..	1	..	6600.10	2	.201	*	1.149	.....	.....	..	..	15.2	28.2	20.0	...
90	705	1800	..	1	..	6217.10	2	.122	*	.605	.....	.....	..	..	8.4	26.9	17.0	...
91	705	1800	..	1	..	6218.10	2	.122	*	.605	.....	.....	..	..	8.4	38.6	28.0	...
92	709	1530	..	1	..	5905.10	1	.159	*	.723	.....	.....	..	..	17.0	5.3	3.4	...
93	716	1130	..	1	..	5873.10	1	.101	*	.354	.....	.....	..	..	8.2	6.8	5.2	...
94	720	1330	..	1	..	5880.10	1	.089	*	.295	.....	.....	..	..	3.3	10.8	5.6	...
95	723	1030	..	1	..	7223.10	1	.100	*	.389	.....	.....	..	..	15.4	11.5	3.7	...
96	813	1300	..	1	..	8557.10	1	.....	*	.134	.....	.....	..	..	5.6	5.3	1.9	450
97	826	1030	..	1	..	8731.10	1	.....	..	.340	.....	.....	..	..	33.2	4.9	3.3	465
98	904	1145	..	1	..	8792.10	1	.....	..	.379	.....	.....	..	..	....	8.0	5.5	470
99	919	1030	..	1	..	3.10	4	.....	..	1.178	.....	.....	..	..	....	23.6	27.0	300
100	919	1030	..	1	..	3.20	4	.....	..	1.178	.....	.....	..	..	....	22.3	28.0	300
101	919	1030	..	1	..	9000.10	4	.....	..	1.178	.....	.....	..	..	....	23.3	25.0	300
102	919	1030	..	1	..	9000.20	4	.....	..	1.178	.....	.....	..	..	....	24.4	23.0	300

PHASE 3 CODE : *A9B15B3* *AREA* : 17900 *HA*
LOCATION : 12-64-2-W6 *LAT/LONG* :
RATING CURVE : *FLOW* = 0.152 + 0.884(*STAGE*) + 16.821(*STAGE*)*2
COMMENTS : *STEVENS,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON SITE.*

TABLE 68
WATER QUALITY DATA FOR LICK CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 8, 1984 - AUGUST 20, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1245	..	1	..	5409.10	1	.286	*	.274	.....	.....	..	..	....	22.8	12.0	270
2	527	1030	..	1	..	5587.10	1	.367	*	.649	.408	.....	..	..	....	49.8	62.0	220
3	529	1130	..	1	..	5796.10	2	.450	..	.....	.450	.....	..	..	....	290.8	130.0	185
4	604	1130	..	1	..	5804.10	1	.390	*	1.088	.450	.....	..	..	....	39.8	44.0	120
5	612	1330	..	1	..	5613.10	4	.530	*	3.392	.552	.....	..	..	39.8	252.4	220.0	120
6	613	1000	..	1	..	5615.10	4	.502	*	3.441	.545	.....	..	..	1.0	224.0	82.0	170
7	618	1430	..	1	..	5882.10	4	.396	*	1.950	.555	.....	..	..	6.4	85.3	32.0	205
8	619	1600	..	1	..	5836.10	1	.366	*	1.726	.386	.....	..	..	.0	58.1	22.0	215
9	626	1100	..	1	..	5885.10	1	.395	*	1.899	.445	.....	..	..	.0	47.6	19.0	...
10	628	1415	..	1	..	5889.10	1	.410	*	2.173	.425	.....	..	..	10.6	47.3	30.0	...
11	629	1530	..	1	..	5891.10	1	.400	..	2.115	.440	.....	..	..	5.6	52.0	33.0	...
12	630	1215	..	1	..	5893.10	1	.395	*	1.722	.415	.....	..	..	1.0	44.7	27.0	...
13	703	1530	..	1	..	5896.10	1	.380	*	1.082	.420	.....	..	..	.2	24.7	16.0	...
14	704	1000	..	1	..	5900.10	1	.....	*	.866	.....	.....	..	..	.0	19.6	9.8	...
15	710	1600	..	1	..	5903.10	1	.....	*	1.026	.....	.....	..	..	14.0	17.8	5.2	...
16	716	1430	..	1	..	5907.10	1	.....	*	.740	.....	.....	..	..	9.2	13.1	3.7	...
17	718	1100	..	1	..	5910.10	1	.....	*	.460	.....	.....	..	..	.0	10.5	4.8	...
18	721	1200	..	1	..	6606.10	1	.....	*	.746	.....	.....	..	..	4.4	10.9	4.9	...
19	723	1330	..	1	..	7229.10	1	.....	*	.758	.....	.....	..	..	....	12.8	3.3	265
20	726	1030	..	1	..	7193.10	1	.....	*	.630	.....	.....	..	..	10.8	8.9	1.8	265
21	729	1100	..	1	..	7190.10	1	.....	*	.528	.....	.....	..	..	.0	10.0	2.0	...
22	803	1600	..	1	..	8460.10	1	.....	*	.543	.....	.....	..	..	5.6	128.5	75.0	260
23	803	1600	..	1	..	8461.10	1	.....	*	.543	.....	.....	..	..	5.6	1946.4	130.0	260
24	803	1600	..	1	..	8462.10	1	.....	*	.543	.....	.....	..	..	5.6	737.0	200.0	260
25	806	1545	..	1	..	8458.10	1	.....	..	.....	.....	.....	..	..	5.6	13.2	4.4	270
26	812	1030	..	1	..	8222.10	1	.....	*	.260	.....	.....	..	..	3.0	11.4	1.3	295
27	814	1400	..	1	..	8322.10	1	.....	*	.291	.....	.....	..	..	3.6	5.4	.7	290
28	818	1500	..	1	..	8365.10	1	.....	*	.342	.....	.....	..	..	10.0	7.1	4.3	315
29	820	1000	..	1	..	8656.10	4	.....	*	.245	.....	.....	..	..	.6	4.2	1.0	320

PHASE 3 CODE : A9D19F3 AREA : 5250 HA
LOCATION : 2-61-13-W6 LAT/LONG :
RATING CURVE : FLOW = -2.041 + 3.48(STAGE) + 14.874(STAGE)*2
COMMENTS : CREST GAUGE,STANDARD RAIN GAUGE,RICHARD WATER LEVEL RECORDER ON SITE.

TABLE 69
WATER QUALITY DATA FOR LITTLE GRIZZLY CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 11, 1984 - JULY 26, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	•C	•C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	511	1000	..	1	..	5619.10	1	.....	*	.073	.....	.....	..	..	....	49.6	10.0	300
2	627	915	..	1	..	6211.10	1	.274	*	.147	.....	.....	..	..	....	2.9	1.1	320
3	726	1030	..	1	..	7244.10	1	.232	*	.073	.....	.....	..	..	....	1.0	.4	...

PHASE 3 CODE : A9C16A17 AREA : 1560 HA
LOCATION : 8-61-7-W6 LAT/LONG :
RATING CURVE : FLOW = 6.626 * STAGE*3.038
COMMENTS : STEVENS RECORDER

TABLE 70
WATER QUALITY DATA FOR RED ROCK CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 23, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	523	1430	..	1	..	5581.10	1	.....	*	1.003	.....	.....	..	..	....	6.6	1.2	65
2	529	1300	..	1	..	5798.10	1	.300	*	1.153	.....	.....	..	..	....	4.3	1.7	70
3	601	1100	..	1	..	6178.10	1	.297	*	1.132	.....	.....	..	..	17.4	9.2	3.7	65
4	605	....	1	3	2	5809.10	..	.....	..	1.013	.....	.....	..	..	....	29.7	8.6	70
5	605	....	1	3	2	5810.10	..	.....	..	1.013	.....	.....	..	..	....	31.6	8.8	70
6	605	....	1	3	2	5811.10	..	.....	..	1.013	.....	.....	..	..	....	34.3	10.0	65
7	605	....	1	3	2	5812.10	..	.....	..	1.013	.....	.....	..	..	....	36.3	98.0	70
8	605	....	1	3	2	5813.10	..	.....	..	1.013	.....	.....	..	..	....	34.2	9.3	70
9	605	1200	..	1	..	5807.10	1	.236	*	.720	.....	.....	..	..	1.0	3.6	1.5	70
10	606	1200	..	1	..	5816.10	1	.265	*	.890	.....	.....	..	..	5.4	8.3	2.5	70
11	608	2000	..	1	..	6183.10	2	.570	*	4.025	.....	.....	..	..	33.1	14.0	2.2	50
12	608	2000	..	1	..	6184.10	2	.570	*	4.025	.....	.....	..	..	33.1	28.8	4.8	55
13	609	1700	..	1	..	6189.10	4	.451	*	2.708	.....	.....	..	..	4.0	16.3	2.3	55
14	609	1800	..	1	..	6188.10	4	.451	*	2.708	.....	.....	..	..	4.0	20.8	4.5	60
15	611	1145	..	1	..	6194.10	4	.275	*	.995	.....	.....	..	..	.0	4.8	1.3	70
16	611	1145	..	1	..	6195.10	4	.275	*	.995	.....	.....	..	..	.0	4.4	1.7	70
17	613	1330	..	1	..	6557.10	4	.291	*	1.115	.....	.....	..	..	5.8	9.3	3.7	70
18	616	1030	..	1	..	6205.10	2	.250	*	.789	.....	.....	..	..	7.4	6.1	2.2	80
19	619	1300	..	1	..	5829.10	4	.159	*	.320	.....	.....	..	..	.1	4.8	1.3	95
20	624	1130	..	1	..	6207.10	1	.151	*	.287	.....	.....	..	..	10.1	1.8	7.0	105
21	629	1200	..	1	..	6596.10	1	.092	*	.125	.....	.....	..	..	6.5	3.0	2.4	...
22	629	1200	..	1	..	6597.10	1	.092	*	.125	.....	.....	..	..	6.5	.4	1.0	...
23	707	1530	..	1	..	6270.10	1	.105	*	.159	.....	.....	..	..	22.6	1.5	1.0	...
24	719	1400	..	1	..	7179.10	1	.031	*	.018	.....	.....	..	..	18.4	.6	.7	...
25	731	1430	..	1	..	7215.10	2	.071	*	.086	.....	.....	..	..	12.3	79.6	36.0	...
26	817	1500	..	1	..	8564.10	1	.034	*	.036	.....	.....	..	..	34.5	2.4	.5	240
27	823	1300	..	1	..	8729.10	1	.055	..	.....	.....	.....	..	..	3.4	1.2	.4	250
28	828	1400	..	1	..	8758.10	1	.050	..	.001	.....	.....	..	..	....	1.6	.7	...
29	920	1400	..	1	..	8994.10	4	.175	..	.435	.....	.....	..	..	....	1.1	.7	95
30	920	1400	..	1	..	8994.20	4	.175	..	.435	.....	.....	..	..	....	1.9	.6	95
31	920	1400	..	1	..	8996.10	4	.175	..	.435	.....	.....	..	..	....	92.7	81.0	100
32	920	1400	..	1	..	8996.20	4	.175	..	.435	.....	.....	..	..	....	94.6	80.0	100
33	920	1400	..	1	..	8997.20	4	.175	..	.435	.....	.....	..	..	....	6.7	5.2	100
34	921	1400	..	1	..	8995.10	4	.175	..	.496	.....	.....	..	..	....	1544.3	1000.0	115
35	921	1400	..	1	..	8995.20	4	.175	..	.496	.....	.....	..	..	....	1363.6	830.0	110

PHASE 3 CODE : A9C16E3 AREA : 3960 HA
LOCATION : 4-63-9-W6 LAT/LONG :
RATING CURVE : FLOW = 11.109 × STAGE*1.868
COMMENTS : RICHARD WATER LEVEL RECORDER,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON S

TABLE 71
WATER QUALITY DATA FOR STETSON CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 8, 1984 - SEPTEMBER 23, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1400	..	1	..	5408.10	1	.310	*	1.011	.....	.....	..	..	....	263.0	100.0	140
2	527	1500	..	1	..	5586.10	3	.320	*	1.293	.500	.....	..	..	....	43.1	53.0	115
3	529	1030	..	1	..	5794.10	2	.340	..	.....	.340	.....	..	..	....	232.1	120.0	100
4	604	1320	..	1	..	5805.10	1	.300	*	1.058	.350	.....	..	..	....	42.2	27.0	200
5	612	1530	..	1	..	5592.10	4	.347	*	1.544	.468	.....	..	..	40.0	218.0	230.0	120
6	613	1530	..	1	..	5614.10	4	.321	*	1.478	.338	.....	..	..	.0	64.6	66.0	120
7	618	1530	..	1	..	5883.10	4	.263	*	.655	.321	.....	..	..	5.4	27.5	34.0	150
8	619	1700	..	1	..	5835.10	1	.....	*	.681	.....	.....	..	..	.0	26.0	30.0	150
9	626	1015	..	1	..	5886.10	1	.215	*	.329	.250	.....	..	..	5.2	10.3	24.0	...
10	628	1330	..	1	..	5616.10	1	.238	*	.373	.240	.....	..	..	2.6	8.0	23.0	...
11	629	1400	..	1	..	5890.10	1	.230	*	.337	.230	.....	..	..	4.4	13.1	23.0	...
12	630	1130	..	1	..	5897.10	1	.230	*	.361	.240	.....	..	..	2.8	9.6	23.0	...
13	703	1330	..	1	..	5895.10	1	.310	*	.216	.231	.....	..	..	.0	6.7	18.0	...
14	704	930	..	1	..	5899.10	1	.200	*	.201	.220	.....	..	..	.0	4.5	16.0	...
15	710	1500	..	1	..	5902.10	1	.185	*	.155	.220	.....	..	..	11.2	7.3	13.0	...
16	716	1330	..	1	..	5908.10	1	.162	*	.121	.190	.....	..	..	6.4	42.2	6.7	...
17	717	1140	..	1	..	5878.10	1	.208	*	.....	.....	.....	..	..	5.9	5.8	1.9	...
18	718	1000	..	1	..	5909.10	1	.180	*	.039	.188	.....	..	..	.2	1.9	5.3	...
19	720	2000	..	1	..	6604.10	1	.147	*	.085	.150	.....	..	..	.0	2.2	3.6	...
20	721	1700	..	1	..	6607.10	1	.180	*	.136	.180	.....	..	..	6.8	5.1	6.0	...
21	722	1100	..	1	..	6610.10	1	.180	*	.123	.180	.....	..	..	5.8	3.9	7.2	...
22	723	1200	..	1	..	7228.10	4	.165	*	.115	.180	.....	..	..	.0	3.0	5.3	...
23	723	1500	3	4	..	7198.14	..	.....	..	.....	.....	.....	..	..	....	5.2	2.5	340
24	723	1500	3	4	..	7245.13	..	.....	..	.....	.....	.....	..	..	....	7.0	4.1	...
25	723	1800	3	4	..	7199.14	..	.....	..	.....	.....	.....	..	..	....	28.3	3.5	...
26	723	1800	3	4	..	7246.13	..	.....	..	.....	.....	.....	..	..	....	5.7	3.8	...
27	723	2100	3	4	..	7200.14	..	.....	..	.....	.....	.....	..	..	....	23.2	2.3	...
28	723	2100	3	4	..	7247.13	..	.....	..	.....	.....	.....	..	..	....	5.9	3.3	...
29	723	2400	3	4	..	7201.14	..	.....	..	.....	.....	.....	..	..	....	79.5	5.4	...
30	723	2400	3	4	..	7248.13	..	.....	..	.....	.....	.....	..	..	....	4.6	3.5	...
31	724	300	3	4	..	7202.14	..	.....	..	.....	.....	.....	..	..	....	13.4	2.2	...
32	724	300	3	4	..	7249.13	..	.....	..	.....	.....	.....	..	..	....	4.6	2.9	...
33	724	600	3	4	..	7203.14	..	.....	..	.....	.....	.....	..	..	....	3.3	2.2	...
34	724	600	3	4	..	7250.13	..	.....	..	.....	.....	.....	..	..	....	3.4	2.8	...
35	724	900	3	4	..	7204.14	..	.....	..	.....	.....	.....	..	..	....	2.6	1.7	...
36	724	900	3	4	..	7251.13	..	.....	..	.....	.....	.....	..	..	....	4.8	3.2	...
37	724	1200	3	4	..	7205.14	..	.....	..	.....	.....	.....	..	..	....	3.5	2.0	...
38	724	1200	3	4	..	7252.13	..	.....	..	.....	.....	.....	..	..	....	4.9	3.2	...
39	724	1500	3	4	..	7206.14	..	.....	..	.....	.....	.....	..	..	....	5.9	3.2	...
40	724	1500	3	4	..	7253.13	..	.....	..	.....	.....	.....	..	..	....	4.2	3.4	...
41	724	1800	3	4	..	7207.14	..	.....	..	.....	.....	.....	..	..	....	1.6	1.7	345
42	724	1800	3	4	..	7254.13	..	.....	..	.....	.....	.....	..	..	....	4.3	2.7	...
43	724	2100	3	4	..	7208.14	..	.....	..	.....	.....	.....	..	..	....	2.4	2.4	355
44	724	2100	3	4	..	7255.13	..	.....	..	.....	.....	.....	..	..	....	3.6	2.7	...
45	724	2400	3	4	..	7256.13	..	.....	..	.....	.....	.....	..	..	....	4.7	2.6	...
46	725	300	3	4	..	7257.13	..	.....	..	.....	.....	.....	..	..	....	4.0	2.4	...
47	725	600	3	4	..	7258.13	..	.....	..	.....	.....	.....	..	..	....	4.0	2.3	...
48	725	900	3	4	..	7259.13	..	.....	..	.....	.....	.....	..	..	....	4.1	2.4	...
49	725	1200	3	4	..	7260.13	..	.....	..	.....	.....	.....	..	..	....	3.8	2.7	...

50	725	1500	3	4	..	7261.13	..	.....	..	.....	.....	.....	..	..	....	4.9	3.1	...
51	725	1800	3	4	..	7262.13	..	.....	..	.....	.....	.....	..	..	....	4.4	2.4	...
52	725	2100	3	4	..	7263.13	..	.....	..	.....	.....	.....	..	..	....	6.3	2.6	...
53	725	2400	3	4	..	7264.13	..	.....	..	.....	.....	.....	..	..	....	6.2	2.3	...
54	726	300	3	4	..	7192.13	..	.....	..	.....	.....	.....	..	..	....	5.9	2.5	375
55	726	600	3	4	..	7209.13	..	.....	..	.....	.....	.....	..	..	....	8.1	2.6	380
56	726	900	3	4	..	7210.13	..	.....	..	.....	.....	.....	..	..	....	9.8	2.4	380
57	726	1130	..	1	..	7196.10	1	.150	*	.075	.170	.....	..	..	.2	5.5	3.4	360
58	726	1200	3	4	..	7211.13	..	.....	..	.....	.....	.....	..	..	....	5.3	1.7	385
59	726	1800	3	4	..	5914.13	..	.....	..	.....	.....	.....	..	..	....	8.6	2.7	...
60	726	2100	3	4	..	5915.13	..	.....	..	.....	.....	.....	..	..	....	7.0	3.4	...
61	726	2400	3	4	..	5916.13	..	.....	..	.....	.....	.....	..	..	....	4.2	1.6	...
62	727	300	3	4	..	5917.13	..	.....	..	.....	.....	.....	..	..	....	2.9	2.4	...
63	727	600	3	4	..	5918.13	..	.....	..	.....	.....	.....	..	..	....	7.6	1.8	...
64	727	900	3	4	..	5919.13	..	.....	..	.....	.....	.....	..	..	....	2.9	1.8	...
65	727	1200	3	4	..	5920.13	..	.....	..	.120	.....	.....	..	..	....	4.4	2.6	...
66	727	1200	3	4	..	6611.14	..	.....	..	.120	.....	.....	..	..	....	1.6	1.4	...
67	727	1500	3	4	..	5921.13	..	.....	..	.120	.....	.....	..	..	....	6.2	3.4	...
68	727	1500	3	4	..	6612.14	..	.....	..	.120	.....	.....	..	..	....	2.7	1.6	...
69	727	1800	3	4	..	5922.13	..	.....	..	.125	.....	.....	..	..	....	5.2	3.1	...
70	727	1800	3	4	..	6613.14	..	.....	..	.125	.....	.....	..	..	....	5.5	2.3	...
71	727	2100	3	4	..	5923.13	..	.....	..	.130	.....	.....	..	..	....	2.9	1.7	...
72	727	2100	3	4	..	6614.14	..	.....	..	.130	.....	.....	..	..	....	6.5	1.3	...
73	727	2400	3	4	..	5924.13	..	.....	..	.135	.....	.....	..	..	....	5.5	3.1	...
74	727	2400	3	4	..	6615.14	..	.....	..	.135	.....	.....	..	..	....	8.7	1.8	...
75	728	300	3	4	..	6616.14	..	.....	..	.....	.....	.....	..	..	....	45.9	5.7	...
76	728	300	3	4	..	7185.13	..	.....	..	.....	.....	.....	..	..	....	2.9	1.3	...
77	728	600	3	4	..	6617.14	..	.....	..	.140	.....	.....	..	..	....	10.0	1.5	...
78	728	600	3	4	..	7186.13	..	.....	..	.140	.....	.....	..	..	....	4.2	2.1	...
79	728	900	3	4	..	5911.14	..	.....	..	.....	.....	.....	..	..	....	16.2	.9	...
80	728	900	3	4	..	7187.13	..	.....	..	.....	.....	.....	..	..	....	2.7	2.1	...
81	728	1200	3	4	..	5912.14	..	.....	..	.....	.....	.....	..	..	....	12.9	1.3	...
82	728	1200	3	4	..	7188.13	..	.....	..	.....	.....	.....	..	..	....	2.9	3.3	...
83	728	1500	3	4	..	5913.14	..	.....	..	.115	.....	.....	..	..	....	5.0	1.7	...
84	728	1500	3	4	..	7189.13	..	.....	..	.115	.....	.....	..	..	....	5.8	1.7	...
85	728	1500	3	4	..	8398.14	..	.....	..	.115	.....	.....	..	..	....	2.7	2.1	...
86	728	1500	3	4	..	8418.13	..	.....	..	.115	.....	.....	..	..	....	10.4	4.3	...
87	728	1800	3	4	..	8299.14	..	.....	..	.075	.....	.....	..	..	....	5.3	1.3	...
88	728	1800	3	4	..	8419.13	..	.....	..	.075	.....	.....	..	..	....	7.7	2.5	...
89	728	2100	3	4	..	8400.14	..	.....	..	.070	.....	.....	..	..	....	9.9	1.8	...
90	728	2100	3	4	..	8420.13	..	.....	..	.070	.....	.....	..	..	....	4.5	1.7	...
91	728	2400	3	4	..	8401.14	..	.....	..	.065	.....	.....	..	..	....	3.3	1.4	...
92	728	2400	3	4	..	8421.13	..	.....	..	.065	.....	.....	..	..	....	4.9	1.7	...
93	729	300	3	4	..	8402.14	..	.....	..	.060	.....	.....	..	..	....	3.5	1.7	...
94	729	300	3	4	..	8422.13	..	.....	..	.060	.....	.....	..	..	....	6.4	2.9	...
95	729	600	3	4	..	8403.14	..	.....	..	.057	.....	.....	..	..	....	4.6	1.7	...
96	729	600	3	4	..	8423.13	..	.....	..	.057	.....	.....	..	..	....	4.6	1.8	...
97	729	900	3	4	..	8404.14	..	.....	..	.055	.....	.....	..	..	....	5.1	1.7	...
98	729	900	3	4	..	8424.13	..	.....	..	.055	.....	.....	..	..	....	6.1	2.7	...
99	729	1200	..	1	..	7191.10	1	.143	*	.034	.180	.....	..	..	.0	4.5	2.4	375
100	729	1200	3	4	..	8405.14	..	.....	..	.....	.....	.....	..	..	....	4.3	1.5	...
101	729	1200	3	4	..	8425.13	..	.....	..	.....	.....	.....	..	..	....	5.8	2.1	...
102	729	1500	3	4	..	8406.14	..	.....	..	.055	.....	.....	..	..	....	4.0	.8	...
103	729	1500	3	4	..	8426.13	..	.....	..	.055	.....	.....	..	..	....	4.9	1.8	...
104	729	1800	3	4	..	8407.14	..	.....	..	.055	.....	.....	..	..	....	8.0	1.7	...
105	729	1800	3	4	..	8427.13	..	.....	..	.055	.....	.....	..	..	....	4.5	1.6	...
106	729	2100	3	4	..	8408.14	..	.....	..	.070	.....	.....	..	..	....	18.3	4.4	...
107	729	2100	3	4	..	8428.13	..	.....	..	.070	.....	.....	..	..	....	3.0	1.7	...
108	729	2400	3	4	..	8409.14	..	.....	..	.070	.....	.....	..	..	....	19.2	1.7	...
109	729	2400	3	4	..	8429.13	..	.....	..	.070	.....	.....	..	..	....	4.0	1.9	...

110	730	300	3	4	..	8410.14	..	.....	..	.065	.....	.....	..	..	....	3.6	1.8	...
111	730	300	3	4	..	8430.13	..	.....	..	.065	.....	.....	..	..	....	2.9	1.8	...
112	730	600	3	4	..	8411.14	..	.....	..	.065	.....	.....	..	..	....	2.9	1.7	...
113	730	600	3	4	..	8431.13	..	.....	..	.065	.....	.....	..	..	....	2.7	1.6	...
114	730	900	3	4	..	8412.14	..	.....	..	.065	.....	.....	..	..	....	6.9	1.5	...
115	730	900	3	4	..	8432.13	..	.....	..	.065	.....	.....	..	..	....	2.8	1.7	...
116	730	1200	3	4	..	8413.14	..	.....	..	.065	.....	.....	..	..	....	3.5	2.1	...
117	730	1200	3	4	..	8433.13	..	.....	..	.065	.....	.....	..	..	....	3.2	2.2	...
118	730	1500	3	4	..	8414.14	..	.....	..	.100	.....	.....	..	..	....	2.9	1.6	...
119	730	1500	3	4	..	8434.13	..	.....	..	.100	.....	.....	..	..	....	3.6	1.7	...
120	730	1800	3	4	..	8415.14	..	.....	..	.....	.....	.....	..	..	....	176000.0	19000.0	...
121	730	1800	3	4	..	8435.13	..	.....	..	.....	.....	.....	..	..	....	5.7	2.5	...
122	730	2100	3	4	..	8416.14	..	.....	..	.720	.....	.....	..	..	....	3666.9	3000.0	...
123	730	2100	3	4	..	8436.13	..	.....	..	.720	.....	.....	..	..	....	20917.1	7700.0	...
124	730	2400	3	4	..	8417.14	..	.....	..	.700	.....	.....	..	..	....	299.6	260.0	...
125	730	2400	3	4	..	8437.13	..	.....	..	.700	.....	.....	..	..	....	3228.9	2700.0	...
126	731	300	3	4	..	8438.14	..	.....	..	.500	.....	.....	..	..	....	47.7	57.0	...
127	731	300	3	4	..	8441.13	..	.....	..	.500	.....	.....	..	..	....	416.5	220.0	...
128	731	600	3	4	..	7219.13	..	.....	..	.300	.....	.....	..	..	....	103.3	66.0	...
129	731	600	3	4	..	8439.14	..	.....	..	.300	.....	.....	..	..	....	51.5	41.0	...
130	731	900	3	4	..	7220.13	..	.....	..	.....	.....	.....	..	..	....	60.2	43.0	...
131	731	900	3	4	..	8440.14	..	.....	..	.....	.....	.....	..	..	....	47.4	38.0	...
132	731	1000	..	1	..	7218.10	1	.170	*	.086	.275	.....	..	..	11.6	103.6	47.0	...
133	731	1200	3	4	..	8442.13	..	.....	..	.085	.....	.....	..	..	....	46.2	33.0	...
134	731	1200	3	4	..	8450.14	..	.....	..	.085	.....	.....	..	..	....	43.9	32.0	...
135	731	1500	3	4	..	8443.13	..	.....	..	.084	.....	.....	..	..	....	39.4	25.0	...
136	731	1500	3	4	..	8451.14	..	.....	..	.084	.....	.....	..	..	....	31.6	28.0	...
137	731	1800	3	4	..	8444.13	..	.....	..	.083	.....	.....	..	..	....	29.3	21.0	...
138	731	1800	3	4	..	8452.14	..	.....	..	.083	.....	.....	..	..	....	27.4	24.0	...
139	731	2100	3	4	..	8445.13	..	.....	..	.082	.....	.....	..	..	....	23.0	18.0	...
140	731	2100	3	4	..	8453.14	..	.....	..	.082	.....	.....	..	..	....	19.2	16.0	...
141	731	2400	3	4	..	8446.13	..	.....	..	.081	.....	.....	..	..	....	28.7	22.0	...
142	731	2400	3	4	..	8454.14	..	.....	..	.081	.....	.....	..	..	....	17.8	17.0	...
143	801	300	3	4	..	8447.13	..	.....	..	.080	.....	.....	..	..	....	23.7	18.0	...
144	801	300	3	4	..	8455.14	..	.....	..	.080	.....	.....	..	..	....	15.6	15.0	...
145	801	600	3	4	..	8448.13	..	.....	..	.080	.....	.....	..	..	....	11.0	12.0	...
146	801	600	3	4	..	8456.14	..	.....	..	.080	.....	.....	..	..	....	18.4	16.0	...
147	801	900	3	4	..	8449.13	..	.....	..	.078	.....	.....	..	..	....	21.4	15.0	...
148	801	900	3	4	..	8457.14	..	.....	..	.078	.....	.....	..	..	....	14.7	13.0	...
149	801	1330	3	4	..	6285.14	..	.....	..	.070	.....	.....	..	..	....	11.9	4.2	390
150	801	1330	3	4	..	8592.13	..	.....	..	.070	.....	.....	..	..	....	11.7	4.3	410
151	801	1630	3	4	..	6286.14	..	.....	..	.070	.....	.....	..	..	....	9.8	5.0	400
152	801	1630	3	4	..	8593.13	..	.....	..	.070	.....	.....	..	..	....	11.5	5.5	410
153	801	1930	3	4	..	6287.14	..	.....	..	.070	.....	.....	..	..	....	.....	1700.0	350
154	801	1930	3	4	..	8594.13	..	.....	..	.070	.....	.....	..	..	....	8000.0	2000.0	410
155	801	2230	3	4	..	6288.14	..	.....	..	.070	.....	.....	..	..	....	1052.3	770.0	370
156	801	2230	3	4	..	8595.13	..	.....	..	.070	.....	.....	..	..	....	8000.0	1600.0	430
157	802	130	3	4	..	6289.14	..	.....	..	.070	.....	.....	..	..	....	229.8	150.0	360
158	802	130	3	4	..	8596.13	..	.....	..	.070	.....	.....	..	..	....	8000.0	330.0	380
159	802	430	3	4	..	6290.14	..	.....	..	.070	.....	.....	..	..	....	70.7	48.0	370
160	802	430	3	4	..	8597.13	..	.....	..	.070	.....	.....	..	..	....	77.8	52.0	360
161	802	730	3	4	..	6291.14	..	.....	..	.070	.....	.....	..	..	....	149.4	120.0	370
162	802	730	3	4	..	8598.13	..	.....	..	.070	.....	.....	..	..	....	117.4	64.0	380
163	802	1030	3	4	..	6292.14	..	.....	..	.070	.....	.....	..	..	....	772.2	720.0	380
164	802	1030	3	4	..	8599.13	..	.....	..	.070	.....	.....	..	..	....	56.0	47.0	390
165	802	1330	3	4	..	6293.14	..	.....	..	.070	.....	.....	..	..	....	2354.8	1800.0	370
166	802	1330	3	4	..	8600.13	..	.....	..	.070	.....	.....	..	..	....	2579.2	1700.0	385
167	802	1630	3	4	..	6294.14	..	.....	..	.070	.....	.....	..	..	....	400.4	480.0	375
168	802	1630	3	4	..	8601.13	..	.....	..	.070	.....	.....	..	..	....	524.4	510.0	390
169	802	1930	3	4	..	6295.14	..	.....	..	.070	.....	.....	..	..	....	95.1	80.0	380

170	802	1930	3	4	..	8602.13	..	.....	..	.070	.....	.....	..	..	....	85.8	95.0	395
171	802	2230	3	4	..	6296.14	..	.....	..	.070	.....	.....	..	..	....	54.5	43.0	385
172	802	2330	3	4	..	8603.13	..	.....	..	.070	.....	.....	..	..	....	46.7	36.0	400
173	803	130	3	4	..	6297.14	..	.....	..	.070	.....	.....	..	..	....	54.2	38.0	380
174	803	130	3	4	..	8604.13	..	.....	..	.070	.....	.....	..	..	....	43.3	32.0	395
175	803	430	3	4	..	6298.14	..	.....	..	.070	.....	.....	..	..	....	31.0	26.0	385
176	803	430	3	4	..	8605.13	..	.....	..	.070	.....	.....	..	..	....	36.7	26.0	400
177	803	730	3	4	..	6299.14	..	.....	..	.070	.....	.....	..	..	....	36.6	26.0	390
178	803	730	3	4	..	8606.13	..	.....	..	.070	.....	.....	..	..	....	27.3	17.0	400
179	803	1030	3	4	..	6300.14	..	.....	..	.070	.....	.....	..	..	....	27.4	23.0	390
180	803	1030	3	4	..	8607.13	..	.....	..	.070	.....	.....	..	..	....	23.8	15.0	400
181	803	1330	3	4	..	6301.14	..	.....	..	.070	.....	.....	..	..	....	27.4	21.0	390
182	803	1330	3	4	..	8608.13	..	.....	..	.070	.....	.....	..	..	....	21.7	17.0	405
183	803	1630	3	4	..	6302.14	..	.....	..	.070	.....	.....	..	..	....	58.0	40.0	395
184	803	1630	3	4	..	8609.13	..	.....	..	.070	.....	.....	..	..	....	20.4	17.0	410
185	803	1930	3	4	..	6303.14	..	.....	..	.070	.....	.....	..	..	....	36.9	27.0	390
186	803	1930	3	4	..	8010.13	..	.....	..	.070	.....	.....	..	..	....	36.8	22.0	410
187	803	2230	3	4	..	6304.14	..	.....	..	.070	.....	.....	..	..	....	30.2	21.0	395
188	803	2330	3	4	..	8611.13	..	.....	..	.070	.....	.....	..	..	....	40.6	24.0	410
189	804	130	3	4	..	8466.13	..	.....	..	.076	.....	.....	..	..	....	24.6	26.0	380
190	804	130	3	4	..	8470.14	..	.....	..	.076	.....	.....	..	..	....	23.4	20.0	390
191	804	430	3	4	..	8467.13	..	.....	..	.074	.....	.....	..	..	....	3.3	21.0	390
192	804	430	3	4	..	8471.14	..	.....	..	.074	.....	.....	..	..	....	20.2	17.0	400
193	804	730	3	4	..	8468.13	..	.....	..	.072	.....	.....	..	..	....	16.5	17.0	395
194	804	730	3	4	..	8472.14	..	.....	..	.072	.....	.....	..	..	....	17.1	15.0	400
195	804	930	3	4	..	8469.13	..	.....	..	.070	.....	.....	..	..	....	15.5	16.0	395
196	804	930	3	4	..	8473.14	..	.....	..	.070	.....	.....	..	..	....	16.3	13.0	405
197	804	945	..	1	..	8463.10	..	.162	*	.070	.170	.....	..	..	10.1	15.9	17.0	380
198	804	1200	3	4	..	6254.14	..	.....	..	.075	.....	.....	..	..	....	18.8	16.0	390
199	804	1200	3	4	..	8539.13	..	.....	..	.075	.....	.....	..	..	....	62.2	35.0	390
200	804	1500	3	4	..	6255.14	..	.....	..	.080	.....	.....	..	..	....	21.9	13.0	400
201	804	1500	3	4	..	8540.13	..	.....	..	.080	.....	.....	..	..	....	34.9	24.0	400
202	804	1800	3	4	..	6256.14	..	.....	..	.085	.....	.....	..	..	....	77.2	42.0	405
203	804	1800	3	4	..	8541.13	..	.....	..	.085	.....	.....	..	..	....	608.1	180.0	400
204	804	2100	3	4	..	6257.14	..	.....	..	.090	.....	.....	..	..	....	77.7	42.0	405
205	804	2100	3	4	..	8542.13	..	.....	..	.090	.....	.....	..	..	....	134.7	70.0	400
206	804	2400	3	4	..	6258.14	..	.....	..	.080	.....	.....	..	..	....	43.3	29.0	405
207	804	2400	3	4	..	8543.13	..	.....	..	.080	.....	.....	..	..	....	37.4	22.0	410
208	805	300	3	4	..	6259.14	..	.....	..	.070	.....	.....	..	..	....	15.8	13.0	410
209	805	300	3	4	..	8544.13	..	.....	..	.070	.....	.....	..	..	....	26.0	17.0	415
210	805	600	3	4	..	6260.14	..	.....	..	.070	.....	.....	..	..	....	17.1	15.0	410
211	805	600	3	4	..	8545.13	..	.....	..	.070	.....	.....	..	..	....	21.5	13.0	415
212	805	900	3	4	..	6261.14	..	.....	..	.070	.....	.....	..	..	....	14.7	15.0	415
213	805	900	3	4	..	8546.13	..	.....	..	.070	.....	.....	..	..	....	29.4	22.0	420
214	805	1200	3	4	..	6262.14	..	.....	..	.075	.....	.....	..	..	....	22.4	19.0	410
215	805	1200	3	4	..	8547.13	..	.....	..	.075	.....	.....	..	..	....	18.9	12.0	415
216	805	1500	3	4	..	6263.14	..	.....	..	.070	.....	.....	..	..	....	17.0	14.0	420
217	805	1500	3	4	..	8548.13	..	.....	..	.070	.....	.....	..	..	....	16.3	11.0	420
218	805	1800	3	4	..	6264.14	..	.....	..	.068	.....	.....	..	..	....	12.7	12.0	420
219	805	1800	3	4	..	8549.13	..	.....	..	.068	.....	.....	..	..	....	16.6	12.0	425
220	805	2100	3	4	..	6265.14	..	.....	..	.067	.....	.....	..	..	....	11.4	3.4	425
221	805	2100	3	4	..	8550.13	..	.....	..	.067	.....	.....	..	..	....	13.2	11.0	425
222	805	2400	3	4	..	8533.14	..	.....	..	.070	.....	.....	..	..	....	17.6	8.3	415
223	805	2400	3	4	..	8551.13	..	.....	..	.070	.....	.....	..	..	....	20.6	13.0	420
224	806	300	3	4	..	8534.14	..	.....	..	.250	.....	.....	..	..	....	141.2	69.0	370
225	806	300	3	4	..	8552.13	..	.....	..	.250	.....	.....	..	..	....	1265.4	210.0	400
226	806	600	3	4	..	8535.14	..	.....	..	.350	.....	.....	..	..	....	230.8	180.0	355
227	806	600	3	4	..	8553.13	..	.....	..	.350	.....	.....	..	..	....	399.4	230.0	365
228	806	900	3	4	..	8536.14	..	.....	..	.450	.....	.....	..	..	....	421.6	140.0	355
229	806	900	3	4	..	8554.13	..	.....	..	.450	.....	.....	..	..	....	385.0	180.0	370

230	806	1200	3	4	..	8537.14	..	.....	..	.400	.....	.....	..	..	....	101.2	73.0	360
231	806	1200	3	4	..	8555.13	..	.....	..	.400	.....	.....	..	..	17.1	395.0	180.0	370
232	806	1500	3	4	..	8538.14	..	.....	..	.500	.....	.....	..	..	....	560.8	210.0	350
233	806	1500	3	4	..	8556.13	..	.....	..	.500	.....	.....	..	..	....	111.7	77.0	365
234	806	1645	..	1	..	8464.10	1	.185	*	.159	.250	.....	..	..	12.8	60.8	50.0	360
235	806	1800	3	4	..	6228.13	..	.....	..	.159	.....	.....	..	..	....	57.3	43.0	370
236	806	1800	3	4	..	6307.14	..	.....	..	.159	.....	.....	..	..	....	60.0	40.0	370
237	806	2100	3	4	..	6229.13	..	.....	..	.170	.....	.....	..	..	3.3	43.0	30.0	380
238	806	2100	3	4	..	6306.14	..	.....	..	.170	.....	.....	..	..	....	43.1	30.0	370
239	806	2400	3	4	..	6230.13	..	.....	..	.180	.....	.....	..	..	....	37.0	27.0	380
240	806	2400	3	4	..	8484.14	..	.....	..	.180	.....	.....	..	..	....	32.0	27.0	380
241	807	300	3	4	..	6231.13	..	.....	..	.190	.....	.....	..	..	....	34.0	24.0	380
242	807	300	3	4	..	8483.14	..	.....	..	.190	.....	.....	..	..	....	27.5	20.0	380
243	807	600	3	4	..	6232.13	..	.....	..	.198	.....	.....	..	..	....	27.0	21.0	390
244	807	600	3	4	..	8482.14	..	.....	..	.198	.....	.....	..	..	....	21.6	18.0	385
245	807	900	3	4	..	6233.13	..	.....	..	.190	.....	.....	..	..	....	20.4	17.0	395
246	807	900	3	4	..	6308.14	..	.....	..	.190	.....	.....	..	..	....	21.7	17.0	390
247	807	1200	3	4	..	6309.14	..	.....	..	.180	.....	.....	..	..	....	17.6	15.0	395
248	807	1200	3	4	..	8474.13	..	.....	..	.180	.....	.....	..	..	....	18.2	15.0	390
249	807	1500	3	4	..	6305.14	..	.....	..	.170	.....	.....	..	..	....	19.0	15.0	390
250	807	1500	3	4	..	8475.13	..	.....	..	.170	.....	.....	..	..	....	16.2	16.0	400
251	807	1800	3	4	..	6222.14	..	.....	..	.160	.....	.....	..	..	....	14.7	6.6	390
252	807	1800	3	4	..	8476.13	..	.....	..	.160	.....	.....	..	..	....	16.7	16.0	400
253	807	2100	3	4	..	6223.14	..	.....	..	.140	.....	.....	..	..	....	15.0	7.2	395
254	807	2100	3	4	..	8477.13	..	.....	..	.140	.....	.....	..	..	....	15.9	12.0	410
255	807	2400	3	4	..	6224.14	..	.....	..	.130	.....	.....	..	..	....	13.3	6.3	400
256	807	2400	3	4	..	8478.13	..	.....	..	.130	.....	.....	..	..	....	15.5	12.0	410
257	808	300	3	4	..	6225.14	..	.....	..	.....	.....	.....	..	..	....	.....	6.2	400
258	808	300	3	4	..	8479.13	..	.....	..	.....	.....	.....	..	..	....	14.3	12.0	410
259	808	600	3	4	..	6226.14	..	.....	..	.....	.....	.....	..	..	....	.....	6.0	400
260	808	600	3	4	..	8480.13	..	.....	..	.....	.....	.....	..	..	....	14.7	11.0	410
261	808	900	3	4	..	6227.14	..	.....	..	.120	.....	.....	..	..	....	14.3	6.0	400
262	808	900	3	4	..	8481.13	..	.....	..	.120	.....	.....	..	..	....	21.1	18.0	420
263	808	1030	3	1	..	8465.10	1	.166	*	.106	.199	.....	..	..	3.3	9.3	8.0	395
264	808	1200	3	4	..	8224.14	..	.....	..	.106	.....	.....	..	..	....	45.1	10.0	395
265	808	1200	3	4	..	8248.13	..	.....	..	.106	.....	.....	..	..	....	17.4	12.0	410
266	808	1500	3	4	..	8225.14	..	.....	..	.110	.....	.....	..	..	....	45.9	26.0	395
267	808	1500	3	4	..	8249.13	..	.....	..	.110	.....	.....	..	..	....	17.0	7.8	410
268	808	1800	3	4	..	8226.14	..	.....	..	.110	.....	.....	..	..	....	46.8	30.0	400
269	808	1800	3	4	..	8250.13	..	.....	..	.110	.....	.....	..	..	....	11.6	6.7	410
270	808	2100	3	4	..	8227.14	..	.....	..	.110	.....	.....	..	..	....	27.1	16.0	410
271	808	2100	3	4	..	8251.13	..	.....	..	.110	.....	.....	..	..	....	10.0	5.5	410
272	808	2400	3	4	..	8228.14	..	.....	..	.110	.....	.....	..	..	....	15.9	6.8	400
273	808	2400	3	4	..	8252.13	..	.....	..	.110	.....	.....	..	..	....	15.6	6.7	405
274	809	300	3	4	..	8229.14	..	.....	..	.110	.....	.....	..	..	....	25.4	7.7	400
275	809	300	3	4	..	8253.13	..	.....	..	.110	.....	.....	..	..	....	10.3	3.9	410
276	809	600	3	4	..	8230.14	..	.....	..	.110	.....	.....	..	..	....	16.5	5.4	410
277	809	600	3	4	..	8254.13	..	.....	..	.110	.....	.....	..	..	....	10.5	4.0	415
278	809	900	3	4	..	8231.14	..	.....	..	.110	.....	.....	..	..	....	23.0	7.3	410
279	809	900	3	4	..	8255.13	..	.....	..	.110	.....	.....	..	..	....	11.6	5.2	420
280	809	1200	3	4	..	8232.14	..	.....	..	.110	.....	.....	..	..	....	96.4	33.0	410
281	809	1200	3	4	..	8256.13	..	.....	..	.110	.....	.....	..	..	....	10.6	5.1	415
282	809	1500	3	4	..	8233.14	..	.....	..	.110	.....	.....	..	..	....	16.0	7.8	420
283	809	1500	3	4	..	8257.13	..	.....	..	.110	.....	.....	..	..	....	10.3	5.1	420
284	809	1800	3	4	..	8234.14	..	.....	..	.110	.....	.....	..	..	....	15.6	6.2	430
285	809	1800	3	4	..	8258.13	..	.....	..	.110	.....	.....	..	..	....	9.0	4.1	425
286	809	2100	3	4	..	8235.14	..	.....	..	.110	.....	.....	..	..	....	16.0	6.0	430
287	809	2100	3	4	..	8259.13	..	.....	..	.110	.....	.....	..	..	....	8.3	5.0	430
288	809	2400	3	4	..	8236.14	..	.....	..	.110	.....	.....	..	..	....	13.9	5.9	420
289	809	2400	3	4	..	8260.13	..	.....	..	.110	.....	.....	..	..	....	19.0	8.0	425

290	810	300	3	4	..	8237.14	..	.....	..	.110	.....	.....	..	..	....	30.5	10.0	420
291	810	300	3	4	..	8261.13	..	.....	..	.110	.....	.....	..	..	....	16.8	8.2	425
292	810	600	3	4	..	8238.14	..	.....	..	.110	.....	.....	..	..	....	25.9	17.0	420
293	810	600	3	4	..	8262.13	..	.....	..	.110	.....	.....	..	..	....	18.2	14.0	425
294	810	900	3	4	..	8239.14	..	.....	..	.105	.....	.....	..	..	....	21.3	17.0	425
295	810	900	3	4	..	8263.13	..	.....	..	.105	.....	.....	..	..	....	14.6	7.2	425
296	810	1200	3	4	..	8240.14	..	.....	..	.100	.....	.....	..	..	....	17.4	15.0	420
297	810	1200	3	4	..	8264.13	..	.....	..	.100	.....	.....	..	..	....	10.5	5.2	420
298	810	1500	3	4	..	8241.14	..	.....	..	.095	.....	.....	..	..	....	22.8	9.9	425
299	810	1500	3	4	..	8265.13	..	.....	..	.095	.....	.....	..	..	....	9.9	5.4	425
300	810	1800	3	4	..	8242.14	..	.....	..	.090	.....	.....	..	..	....	20.4	8.3	430
301	810	1800	3	4	..	8266.13	..	.....	..	.090	.....	.....	..	..	....	9.0	4.7	430
302	810	2100	3	4	..	8243.14	..	.....	..	.085	.....	.....	..	..	....	18.9	5.0	430
303	810	2100	3	4	..	8267.13	..	.....	..	.085	.....	.....	..	..	....	7.2	5.3	435
304	810	2400	3	4	..	8244.14	..	.....	..	.080	.....	.....	..	..	....	18.5	7.6	430
305	810	2400	3	4	..	8268.13	..	.....	..	.080	.....	.....	..	..	....	7.2	4.8	430
306	811	300	3	4	..	8245.14	..	.....	..	.075	.....	.....	..	..	....	22.5	6.9	430
307	811	300	3	4	..	8269.13	..	.....	..	.075	.....	.....	..	..	....	7.1	4.0	435
308	811	600	3	4	..	8246.14	..	.....	..	.070	.....	.....	..	..	....	19.5	7.3	440
309	811	600	3	4	..	8270.13	..	.....	..	.070	.....	.....	..	..	....	12.9	5.4	440
310	811	900	3	4	..	8247.14	..	.....	..	.065	.....	.....	..	..	....	11.2	5.7	440
311	811	900	3	4	..	8271.13	..	.....	..	.065	.....	.....	..	..	....	5.3	4.0	440
312	811	1200	3	4	..	8272.14	..	.....	..	.060	.....	.....	..	..	....	13.3	3.4	425
313	811	1200	3	4	..	8296.13	..	.....	..	.060	.....	.....	..	..	....	9.6	3.8	425
314	811	1500	3	4	..	8273.14	..	.....	..	.055	.....	.....	..	..	....	16.2	4.4	430
315	811	1500	3	4	..	8297.13	..	.....	..	.055	.....	.....	..	..	....	8.1	4.1	430
316	811	1800	3	4	..	8274.14	..	.....	..	.050	.....	.....	..	..	....	13.1	4.6	435
317	811	1800	3	4	..	8298.13	..	.....	..	.050	.....	.....	..	..	....	7.3	3.7	435
318	811	2100	3	4	..	8275.14	..	.....	..	.045	.....	.....	..	..	....	42.7	21.0	440
319	811	2100	3	4	..	8299.13	..	.....	..	.045	.....	.....	..	..	....	9.3	3.1	435
320	811	2400	3	4	..	8276.14	..	.....	..	.045	.....	.....	..	..	....	7.1	3.0	435
321	811	2400	3	4	..	8300.13	..	.....	..	.045	.....	.....	..	..	....	6.3	3.3	430
322	812	300	3	4	..	8277.14	..	.....	..	.045	.....	.....	..	..	....	10.4	5.7	430
323	812	300	3	4	..	8301.13	..	.....	..	.045	.....	.....	..	..	....	7.3	3.5	435
324	812	600	3	4	..	8278.14	..	.....	..	.045	.....	.....	..	..	....	6.4	3.1	435
325	812	600	3	4	..	8302.13	..	.....	..	.045	.....	.....	..	..	....	7.2	3.2	440
326	812	900	3	4	..	8279.14	..	.....	..	.045	.....	.....	..	..	....	8.6	4.2	440
327	812	900	3	4	..	8303.13	..	.....	..	.045	.....	.....	..	..	....	7.1	4.2	440
328	812	1200	..	1	..	8223.10	1	.150	*	.043	.170	.....	..	..	2.0	12.7	3.0	410
329	812	1200	3	4	..	8280.14	..	.....	..	.045	.....	.....	..	..	....	28.6	7.3	435
330	812	1200	3	4	..	8304.13	..	.....	..	.045	.....	.....	..	..	....	12.4	7.3	440
331	812	1500	3	4	..	8281.14	..	.....	..	.047	.....	.....	..	..	....	6.1	2.7	440
332	812	1500	3	4	..	8305.13	..	.....	..	.047	.....	.....	..	..	....	5.1	3.2	440
333	812	1800	3	4	..	8282.14	..	.....	..	.049	.....	.....	..	..	....	4.4	2.6	440
334	812	1800	3	4	..	8306.13	..	.....	..	.049	.....	.....	..	..	....	5.9	4.0	445
335	812	2100	3	4	..	8283.14	..	.....	..	.051	.....	.....	..	..	....	5.0	3.3	440
336	812	2100	3	4	..	8307.13	..	.....	..	.051	.....	.....	..	..	....	7.3	3.3	450
337	812	2400	3	4	..	8284.14	..	.....	..	.053	.....	.....	..	..	....	5.9	4.0	435
338	812	2400	3	4	..	8308.13	..	.....	..	.053	.....	.....	..	..	....	11.5	3.8	440
339	813	300	3	4	..	8285.14	..	.....	..	.055	.....	.....	..	..	....	7.0	3.2	430
340	813	300	3	4	..	8309.13	..	.....	..	.055	.....	.....	..	..	....	7.8	4.3	440
341	813	600	3	4	..	8286.14	..	.....	..	.057	.....	.....	..	..	....	6.9	3.8	430
342	813	600	3	4	..	8310.13	..	.....	..	.057	.....	.....	..	..	....	6.4	4.4	435
343	813	900	3	4	..	8287.14	..	.....	..	.059	.....	.....	..	..	....	6.3	5.4	435
344	813	900	3	4	..	8311.13	..	.....	..	.059	.....	.....	..	..	....	5.2	3.8	440
345	813	1200	3	4	..	8288.14	..	.....	..	.060	.....	.....	..	..	....	1816.3	88.0	440
346	813	1200	3	4	..	8312.13	..	.....	..	.060	.....	.....	..	..	....	5.9	4.1	435
347	813	1500	3	4	..	8289.14	..	.....	..	.060	.....	.....	..	..	....	4.9	4.0	430
348	813	1500	3	4	..	8313.13	..	.....	..	.060	.....	.....	..	..	....	99.8	48.0	435
349	813	1800	3	4	..	8290.14	..	.....	..	.062	.....	.....	..	..	....	7.2	3.7	435

350	813	1800	3	4	..	8314.13	..	.....	..	.062	.....	.....	..	..	....	76.9	42.0	440
351	813	2100	3	4	..	8291.14	..	.....	..	.064	.....	.....	..	..	....	13.5	4.8	440
352	813	2100	3	4	..	8315.13	..	.....	..	.064	.....	.....	..	..	....	28.0	15.0	445
353	813	2400	3	4	..	8292.14	..	.....	..	.066	.....	.....	..	..	....	14.5	3.4	420
354	813	2400	3	4	..	8316.13	..	.....	..	.066	.....	.....	..	..	....	32.9	10.0	430
355	814	300	3	4	..	8293.14	..	.....	..	.068	.....	.....	..	..	....	21.8	6.3	420
356	814	300	3	4	..	8317.13	..	.....	..	.068	.....	.....	..	..	....	44.8	25.0	430
357	814	600	3	4	..	8294.14	..	.....	..	.070	.....	.....	..	..	....	25.6	6.6	420
358	814	600	3	4	..	8318.13	..	.....	..	.070	.....	.....	..	..	....	28.4	25.0	430
359	814	900	3	4	..	8295.14	..	.....	..	.072	.....	.....	..	..	....	36.2	8.7	420
360	814	900	3	4	..	8319.13	..	.....	..	.072	.....	.....	..	..	....	12.0	5.3	430
361	814	1200	3	4	..	8323.14	..	.....	..	.074	.....	.....	..	..	....	8.0	3.0	410
362	814	1200	3	4	..	8331.13	..	.....	..	.074	.....	.....	..	..	....	11.5	5.7	410
363	814	1500	..	1	..	8320.10	1	.160	*	.074	.160	.....	..	..	3.6	4.9	2.6	400
364	814	1500	3	4	..	8324.14	..	.....	..	.074	.....	.....	..	..	....	7.2	2.5	415
365	814	1500	3	4	..	8332.13	..	.....	..	.074	.....	.....	..	..	....	8.1	3.5	420
366	814	1800	3	4	..	8325.14	..	.....	..	.070	.....	.....	..	..	....	9.0	4.2	410
367	814	1800	3	4	..	8333.13	..	.....	..	.070	.....	.....	..	..	....	327.3	130.0	420
368	814	2100	3	4	..	8326.14	..	.....	..	.070	.....	.....	..	..	....	10.9	5.6	405
369	814	2100	3	4	..	8334.13	..	.....	..	.070	.....	.....	..	..	....	23.1	17.0	415
370	814	2400	3	4	..	8327.14	..	.....	..	.070	.....	.....	..	..	....	10.1	5.3	400
371	814	2400	3	4	..	8335.13	..	.....	..	.070	.....	.....	..	..	....	15.1	11.0	410
372	815	300	3	4	..	8328.14	..	.....	..	.070	.....	.....	..	..	....	13.7	5.9	395
373	815	300	3	4	..	8336.13	..	.....	..	.070	.....	.....	..	..	....	32.6	13.0	405
374	815	600	3	4	..	8329.14	..	.....	..	.070	.....	.....	..	..	....	18.5	9.6	390
375	815	600	3	4	..	8337.13	..	.....	..	.070	.....	.....	..	..	....	28.8	15.0	405
376	815	900	3	4	..	8330.14	..	.....	..	.070	.....	.....	..	..	....	15.0	7.3	390
377	815	900	3	4	..	8338.13	..	.....	..	.070	.....	.....	..	..	....	24.7	17.0	400
378	815	1200	3	4	..	8339.14	..	.....	..	.070	.....	.....	..	..	....	8.4	4.8	410
379	815	1200	3	4	..	8366.13	..	.....	..	.070	.....	.....	..	..	....	16.0	7.3	420
380	815	1500	3	4	..	8340.14	..	.....	..	.070	.....	.....	..	..	....	7.6	4.8	420
381	815	1500	3	4	..	8367.13	..	.....	..	.070	.....	.....	..	..	....	22.1	10.0	425
382	815	1800	3	4	..	8341.14	..	.....	..	.070	.....	.....	..	..	....	10.4	7.0	425
383	815	1800	3	4	..	8368.13	..	.....	..	.070	.....	.....	..	..	....	20.4	9.3	430
384	815	2100	3	4	..	8342.14	..	.....	..	.070	.....	.....	..	..	....	12.8	3.3	425
385	815	2100	3	4	..	8369.13	..	.....	..	.070	.....	.....	..	..	....	12.4	6.3	430
386	815	2400	3	4	..	8343.14	..	.....	..	.070	.....	.....	..	..	....	6.3	3.9	425
387	815	2400	3	4	..	8370.13	..	.....	..	.070	.....	.....	..	..	....	14.0	5.4	435
388	816	300	3	4	..	8344.14	..	.....	..	.070	.....	.....	..	..	....	6.4	5.1	425
389	816	300	3	4	..	8371.13	..	.....	..	.070	.....	.....	..	..	....	9.5	4.2	440
390	816	600	3	4	..	8345.14	..	.....	..	.070	.....	.....	..	..	....	4.8	3.2	425
391	816	600	3	4	..	8372.13	..	.....	..	.070	.....	.....	..	..	....	8.0	3.6	445
392	816	900	3	4	..	8346.14	..	.....	..	.070	.....	.....	..	..	....	5.7	3.4	430
393	816	900	3	4	..	8373.13	..	.....	..	.070	.....	.....	..	..	....	37.8	23.0	445
394	816	1200	3	4	..	8347.14	..	.....	..	.070	.....	.....	..	..	....	5.6	3.4	425
395	816	1200	3	4	..	8374.13	..	.....	..	.070	.....	.....	..	..	....	199.2	83.0	440
396	816	1500	3	4	..	8348.14	..	.....	..	.070	.....	.....	..	..	....	5.4	3.4	430
397	816	1500	3	4	..	8375.13	..	.....	..	.070	.....	.....	..	..	....	64.6	51.0	450
398	816	1800	3	4	..	8349.14	..	.....	..	.070	.....	.....	..	..	....	4.6	3.6	430
399	816	1800	3	4	..	8376.13	..	.....	..	.070	.....	.....	..	..	....	23.8	15.0	450
400	816	2100	3	4	..	8350.14	..	.....	..	.073	.....	.....	..	..	....	4.0	2.9	440
401	816	2100	3	4	..	8377.13	..	.....	..	.073	.....	.....	..	..	....	17.3	11.0	460
402	816	2400	3	4	..	8351.14	..	.....	..	.076	.....	.....	..	..	....	2.9	2.0	440
403	816	2400	3	4	..	8378.13	..	.....	..	.076	.....	.....	..	..	....	14.5	6.1	450
404	817	300	3	4	..	8352.14	..	.....	..	.079	.....	.....	..	..	....	3.5	3.1	440
405	817	300	3	4	..	8379.13	..	.....	..	.079	.....	.....	..	..	....	11.5	6.2	460
406	817	600	3	4	..	8353.14	..	.....	..	.082	.....	.....	..	..	....	2.9	2.7	440
407	817	600	3	4	..	8380.13	..	.....	..	.082	.....	.....	..	..	....	9.6	5.3	460
408	817	900	3	4	..	8354.14	..	.....	..	.085	.....	.....	..	..	....	88.1	40.0	480
409	817	900	3	4	..	8381.13	..	.....	..	.085	.....	.....	..	..	....	20.4	15.0	470

410	817	1200	3	4	..	8355.14	..	.....	..	.088	.....	.....	..	..	....	3.3	2.9	445
411	817	1200	3	4	..	8382.13	..	.....	..	.088	.....	.....	..	..	....	100.0	59.0	460
412	817	1500	3	4	..	8356.14	..	.....	..	.091	.....	.....	..	..	....	2.9	2.9	440
413	817	1500	3	4	..	8383.13	..	.....	..	.091	.....	.....	..	..	....	10.9	6.1	465
414	817	1800	3	4	..	8357.14	..	.....	..	.094	.....	.....	..	..	....	10.0	5.5	440
415	817	1800	3	4	..	8384.13	..	.....	..	.094	.....	.....	..	..	....	26.3	8.7	470
416	817	2100	3	4	..	8358.14	..	.....	..	.097	.....	.....	..	..	....	5.6	3.9	440
417	817	2100	3	4	..	8385.13	..	.....	..	.097	.....	.....	..	..	....	8.8	4.6	475
418	817	2400	3	4	..	8359.14	..	.....	..	.100	.....	.....	..	..	....	6.4	3.9	440
419	817	2400	3	4	..	8386.13	..	.....	..	.100	.....	.....	..	..	....	5.0	4.0	440
420	818	300	3	4	..	8360.14	..	.....	..	.103	.....	.....	..	..	....	6.0	3.3	440
421	818	300	3	4	..	8387.13	..	.....	..	.103	.....	.....	..	..	....	7.5	3.7	445
422	818	600	3	4	..	8361.14	..	.....	..	.106	.....	.....	..	..	....	8.1	4.3	440
423	818	600	3	4	..	8388.13	..	.....	..	.106	.....	.....	..	..	....	8.8	5.0	450
424	818	900	3	4	..	8362.14	..	.....	..	.109	.....	.....	..	..	....	5.8	3.8	440
425	818	900	3	4	..	8389.13	..	.....	..	.109	.....	.....	..	..	....	7.0	4.9	450
426	818	1200	3	4	..	8363.14	..	.....	..	.109	.....	.....	..	..	....	3.5	3.2	445
427	818	1200	3	4	..	8390.13	..	.....	..	.109	.....	.....	..	..	....	8.4	3.9	445
428	818	1330	..	1	..	8364.10	1	.154	*	.109	.....	.....	..	..	7.3	5.1	3.9	430
429	818	1500	3	4	..	8633.14	..	.....	..	.....	.....	.....	..	..	....	7.0	3.2	430
430	818	1800	3	4	..	8634.14	..	.....	..	.....	.....	.....	..	..	....	15.8	8.6	440
431	818	2100	3	4	..	8635.14	..	.....	..	.....	.....	.....	..	..	....	8.8	4.3	440
432	818	2400	3	4	..	8636.14	..	.....	..	.....	.....	.....	..	..	....	7.1	3.6	440
433	819	300	3	4	..	8637.14	..	.....	..	.....	.....	.....	..	..	....	7.2	3.6	435
434	819	600	3	4	..	8638.14	..	.....	..	.....	.....	.....	..	..	....	7.0	3.9	435
435	819	900	3	4	..	8639.14	..	.....	..	.....	.....	.....	..	..	....	.....	.....	...
436	819	1200	3	4	..	8640.14	..	.....	..	.....	.....	.....	..	..	....	5.8	2.7	440
437	819	1500	3	4	..	8641.14	..	.....	..	.....	.....	.....	..	..	....	5.4	2.3	445
438	819	1800	3	4	..	8642.14	..	.....	..	.....	.....	.....	..	..	....	11.3	4.6	445
439	819	2100	3	4	..	8643.14	..	.....	..	.....	.....	.....	..	..	....	6.3	3.3	450
440	819	2400	3	4	..	8644.14	..	.....	..	.....	.....	.....	..	..	....	5.8	3.2	450
441	820	300	3	4	..	8645.14	..	.....	..	.....	.....	.....	..	..	....	6.0	3.5	450
442	820	600	3	4	..	8646.14	..	.....	..	.....	.....	.....	..	..	....	5.1	2.6	450
443	820	900	3	4	..	8647.14	..	.....	..	.....	.....	.....	..	..	....	4.1	2.8	450
444	820	1200	3	4	..	8648.14	..	.....	..	.....	.....	.....	..	..	....	7.1	2.6	450
445	820	1500	3	4	..	8649.14	..	.....	..	.....	.....	.....	..	..	....	3.5	2.7	450
446	820	1800	3	4	..	8650.14	..	.....	..	.....	.....	.....	..	..	....	4.8	2.5	450
447	820	2100	3	4	..	8651.14	..	.....	..	.....	.....	.....	..	..	....	4.0	2.7	450
448	820	2400	3	4	..	8652.14	..	.....	..	.....	.....	.....	..	..	....	3.6	2.7	460
449	821	300	3	4	..	8653.14	..	.....	..	.....	.....	.....	..	..	....	3.8	1.9	450
450	821	600	3	4	..	8654.14	..	.....	..	.....	.....	.....	..	..	....	5.0	2.3	450
451	821	900	3	4	..	8655.14	..	.....	..	.....	.....	.....	..	..	....	4.8	2.6	450
452	821	1000	..	1	..	8657.10	1	.147	*	.062	.156	.....	..	..	.5	3.5	2.6	440
453	821	1200	3	4	..	8659.13	..	.....	..	.061	.....	.....	..	..	....	5.8	2.2	430
454	821	1200	3	4	..	8667.14	..	.....	..	.061	.....	.....	..	..	....	3.4	1.8	440
455	821	1500	3	4	..	8660.13	..	.....	..	.061	.....	.....	..	..	....	7.2	3.7	450
456	821	1500	3	4	..	8668.14	..	.....	..	.061	.....	.....	..	..	....	4.3	2.3	450
457	821	1800	3	4	..	8661.13	..	.....	..	.063	.....	.....	..	..	....	8.7	4.9	450
458	821	1800	3	4	..	8669.14	..	.....	..	.063	.....	.....	..	..	....	3.9	2.3	450
459	821	2100	3	4	..	8662.13	..	.....	..	.064	.....	.....	..	..	....	10.0	3.8	450
460	821	2100	3	4	..	8670.14	..	.....	..	.064	.....	.....	..	..	....	3.6	2.2	450
461	821	2400	3	4	..	8663.13	..	.....	..	.064	.....	.....	..	..	....	7.5	3.4	460
462	821	2400	3	4	..	8671.14	..	.....	..	.064	.....	.....	..	..	....	3.3	1.9	450
463	822	300	3	4	..	8664.13	..	.....	..	.064	.....	.....	..	..	....	7.6	2.8	460
464	822	300	3	4	..	8672.14	..	.....	..	.064	.....	.....	..	..	....	2.6	2.2	450
465	822	600	3	4	..	8665.13	..	.....	..	.065	.....	.....	..	..	....	5.2	2.6	460
466	822	600	3	4	..	8673.14	..	.....	..	.065	.....	.....	..	..	....	3.3	2.0	450
467	822	900	3	4	..	8666.13	..	.....	..	.065	.....	.....	..	..	....	9.7	4.7	460
468	822	900	3	4	..	8674.14	..	.....	..	.065	.....	.....	..	..	....	2.9	1.8	450
469	822	1100	..	1	..	8675.10	1	.146	*	.065	.146	.....	..	..	.4	2.1	2.0	455

470	822	1200	3	4	..	8676.14	..	.....	..	.065	.....	.....	..	..	....	2.9	1.5	430
471	822	1200	3	4	..	8702.13	..	.....	..	.065	.....	.....	..	..	....	8.7	3.7	430
472	822	1500	3	4	..	8677.14	..	.....	..	.065	.....	.....	..	..	....	4.0	2.2	440
473	822	1500	3	4	..	8703.13	..	.....	..	.065	.....	.....	..	..	....	25.1	9.6	440
474	822	1800	3	4	..	8678.14	..	.....	..	.066	.....	.....	..	..	....	2.9	.9	440
475	822	1800	3	4	..	8704.13	..	.....	..	.066	.....	.....	..	..	....	435.5	400.0	450
476	822	2100	3	4	..	8679.14	..	.....	..	.066	.....	.....	..	..	....	4.2	1.5	440
477	822	2100	3	4	..	8705.13	..	.....	..	.066	.....	.....	..	..	....	24.6	17.0	450
478	822	2400	3	4	..	8680.14	..	.....	..	.066	.....	.....	..	..	....	3.6	1.7	440
479	822	2400	3	4	..	8706.13	..	.....	..	.066	.....	.....	..	..	....	10.9	4.8	440
480	823	300	3	4	..	8681.14	..	.....	..	.067	.....	.....	..	..	....	3.1	1.4	440
481	823	300	3	4	..	8707.13	..	.....	..	.067	.....	.....	..	..	....	12.4	4.2	440
482	823	600	3	4	..	8682.14	..	.....	..	.067	.....	.....	..	..	....	1.6	1.7	440
483	823	600	3	4	..	8708.13	..	.....	..	.067	.....	.....	..	..	....	10.4	2.2	440
484	823	900	3	4	..	8683.14	..	.....	..	.068	.....	.....	..	..	....	3.1	1.4	440
485	823	900	3	4	..	8709.13	..	.....	..	.068	.....	.....	..	..	....	82.9	58.0	440
486	823	1200	3	4	..	8684.14	..	.....	..	.068	.....	.....	..	..	....	1.8	.9	440
487	823	1200	3	4	..	8710.13	..	.....	..	.068	.....	.....	..	..	....	1341.9	740.0	460
488	823	1500	3	4	..	8685.14	..	.....	..	.068	.....	.....	..	..	....	1.9	1.4	440
489	823	1500	3	4	..	8711.13	..	.....	..	.068	.....	.....	..	..	....	67.3	43.0	450
490	823	1800	3	4	..	8686.14	..	.....	..	.069	.....	.....	..	..	....	3.1	1.5	445
491	823	1800	3	4	..	8712.13	..	.....	..	.069	.....	.....	..	..	....	16.3	6.2	450
492	823	2100	3	4	..	8687.14	..	.....	..	.070	.....	.....	..	..	....	2.6	1.8	445
493	823	2100	3	4	..	8713.13	..	.....	..	.070	.....	.....	..	..	....	15.8	6.0	455
494	823	2400	3	4	..	8688.14	..	.....	..	.070	.....	.....	..	..	....	2.1	1.6	440
495	823	2400	3	4	..	8714.13	..	.....	..	.070	.....	.....	..	..	....	12.9	5.3	450
496	824	300	3	4	..	8689.14	..	.....	..	.069	.....	.....	..	..	....	3.5	1.7	440
497	824	300	3	4	..	8715.13	..	.....	..	.069	.....	.....	..	..	....	7.5	2.9	450
498	824	600	3	4	..	8690.14	..	.....	..	.069	.....	.....	..	..	....	1.8	1.6	450
499	824	600	3	4	..	8716.13	..	.....	..	.069	.....	.....	..	..	....	12.9	3.0	450
500	824	900	3	4	..	8691.14	..	.....	..	.068	.....	.....	..	..	....	2.0	1.6	450
501	824	900	3	4	..	8717.13	..	.....	..	.068	.....	.....	..	..	....	49.4	32.0	455
502	824	1200	3	4	..	8692.14	..	.....	..	.068	.....	.....	..	..	....	2.3	2.1	440
503	824	1200	3	4	..	8718.13	..	.....	..	.068	.....	.....	..	..	....	14.9	4.3	450
504	824	1500	3	4	..	8693.14	..	.....	..	.067	.....	.....	..	..	....	2.8	2.3	440
505	824	1500	3	4	..	8719.13	..	.....	..	.067	.....	.....	..	..	....	16.1	4.9	460
506	824	1800	3	4	..	8694.14	..	.....	..	.067	.....	.....	..	..	....	5.0	3.2	450
507	824	1800	3	4	..	8720.13	..	.....	..	.067	.....	.....	..	..	....	8.7	3.6	460
508	824	2100	3	4	..	8695.14	..	.....	..	.066	.....	.....	..	..	....	3.4	1.8	450
509	824	2100	3	4	..	8721.13	..	.....	..	.066	.....	.....	..	..	....	10.9	5.0	465
510	824	2400	3	4	..	8696.14	..	.....	..	.066	.....	.....	..	..	....	6.0	2.0	450
511	824	2400	3	4	..	8722.13	..	.....	..	.066	.....	.....	..	..	....	7.4	2.9	470
512	825	300	3	4	..	8697.14	..	.....	..	.065	.....	.....	..	..	....	6.5	1.6	460
513	825	300	3	4	..	8723.13	..	.....	..	.065	.....	.....	..	..	....	8.8	2.8	470
514	825	600	3	4	..	8698.14	..	.....	..	.064	.....	.....	..	..	....	4.7	1.7	460
515	825	600	3	4	..	8724.13	..	.....	..	.064	.....	.....	..	..	....	6.5	2.7	470
516	825	900	3	4	..	8699.14	..	.....	..	.063	.....	.....	..	..	....	5.3	.8	460
517	825	900	3	4	..	8725.13	..	.....	..	.063	.....	.....	..	..	....	8.7	4.6	470
518	825	1200	3	4	..	8700.14	..	.....	..	.061	.....	.....	..	..	....	6.0	1.9	460
519	825	1200	3	4	..	8726.13	..	.....	..	.061	.....	.....	..	..	....	8.6	3.8	470
520	825	1500	3	4	..	8701.14	..	.....	..	.060	.....	.....	..	..	....	9.2	2.5	460
521	825	1500	3	4	..	8727.13	..	.....	..	.060	.....	.....	..	..	....	13.5	5.9	475
522	825	1800	3	4	..	8734.14	..	.....	..	.....	.....	.....	..	..	....	4.0	2.2	440
523	825	2100	3	4	..	8735.14	..	.....	..	.....	.....	.....	..	..	....	3.3	2.1	450
524	825	2400	3	4	..	8736.14	..	.....	..	.....	.....	.....	..	..	....	3.6	2.3	450
525	826	300	3	4	..	8737.14	..	.....	..	.....	.....	.....	..	..	....	4.4	2.5	450
526	826	600	3	4	..	8738.14	..	.....	..	.....	.....	.....	..	..	....	2.4	1.8	450
527	826	900	3	4	..	8739.14	..	.....	..	.....	.....	.....	..	..	....	3.6	1.6	450
528	826	1200	3	4	..	8740.14	..	.....	..	.....	.....	.....	..	..	....	2.7	1.5	450
529	826	1500	3	4	..	8741.14	..	.....	..	.....	.....	.....	..	..	....	2.9	1.3	450

530	826	1800	3	4	..	8742.14	..	.....	..	.....	.....	.....	..	..	....	3.3	1.7	450
531	826	2100	3	4	..	8743.14	..	.....	..	.....	.....	.....	..	..	....	2.9	1.8	460
532	826	2400	3	4	..	8744.14	..	.....	..	.....	.....	.....	..	..	....	4.1	2.3	460
533	827	300	3	4	..	8745.14	..	.....	..	.....	.....	.....	..	..	....	3.3	1.7	460
534	827	600	3	4	..	8746.14	..	.....	..	.....	.....	.....	..	..	....	5.5	2.8	450
535	827	900	3	4	..	8747.14	..	.....	..	.....	.....	.....	..	..	....	4.0	2.3	450
536	827	1200	3	4	..	8748.14	..	.....	..	.....	.....	.....	..	..	....	5.3	3.2	460
537	827	1500	3	4	..	8749.14	..	.....	..	.....	.....	.....	..	..	....	4.4	2.7	460
538	827	1800	3	4	..	8750.14	..	.....	..	.....	.....	.....	..	..	....	3.6	2.3	460
539	827	2100	3	4	..	8751.14	..	.....	..	.....	.....	.....	..	..	....	3.8	1.9	460
540	827	2400	3	4	..	8752.14	..	.....	..	.....	.....	.....	..	..	....	9.3	1.7	460
541	828	300	3	4	..	8753.14	..	.....	..	.....	.....	.....	..	..	....	26.9	4.2	470
542	828	600	3	4	..	8754.14	..	.....	..	.....	.....	.....	..	..	....	4.7	2.4	465
543	828	900	3	4	..	8755.14	..	.....	..	.....	.....	.....	..	..	....	4.7	4.3	470
544	828	1200	3	4	..	8756.14	..	.....	..	.....	.....	.....	..	..	....	1.2	1.8	470
545	828	1330	..	1	..	8757.10	1	.142	*	.039	.142	.....	..	..	4.1	.4	1.6	465
546	828	1500	3	4	..	1501.13	..	.....	..	.039	.....	.....	..	..	....	2210.2	1200.0	490
547	828	1500	3	4	..	8485.14	..	.....	..	.039	.....	.....	..	..	....	3.0	1.8	...
548	828	1800	3	4	..	1502.13	..	.....	..	.042	.....	.....	..	..	....	79.1	49.0	475
549	828	1800	3	4	..	8486.14	..	.....	..	.042	.....	.....	..	..	....	2.6	1.7	...
550	828	2100	3	4	..	8487.14	..	.....	..	.....	.....	.....	..	..	....	2.8	1.4	...
551	828	2100	3	4	..	8503.13	..	.....	..	.....	.....	.....	..	..	....	17.0	13.0	480
552	828	2400	3	4	..	8488.14	..	.....	..	.045	.....	.....	..	..	....	3.5	1.7	...
553	828	2400	3	4	..	8504.13	..	.....	..	.045	.....	.....	..	..	....	16.9	13.0	480
554	829	300	3	4	..	8489.14	..	.....	..	.050	.....	.....	..	..	....	3.1	.9	...
555	829	300	3	4	..	8512.13	..	.....	..	.050	.....	.....	..	..	....	4.0	1.8	490
556	829	600	3	4	..	8490.14	..	.....	..	.053	.....	.....	..	..	....	2.9	.9	...
557	829	600	3	4	..	8505.13	..	.....	..	.053	.....	.....	..	..	....	10.2	3.8	480
558	829	900	3	4	..	8491.14	..	.....	..	.055	.....	.....	..	..	....	3.0	.9	...
559	829	900	3	4	..	8506.13	..	.....	..	.055	.....	.....	..	..	....	5.9	2.7	480
560	829	1200	3	4	..	8492.14	..	.....	..	.058	.....	.....	..	..	....	2.6	1.7	...
561	829	1200	3	4	..	8507.13	..	.....	..	.058	.....	.....	..	..	....	12.7	5.2	480
562	829	1500	3	4	..	8493.14	..	.....	..	.059	.....	.....	..	..	....	2.8	1.4	...
563	829	1500	3	4	..	8508.13	..	.....	..	.059	.....	.....	..	..	....	5.0	2.8	480
564	829	1800	3	4	..	8494.14	..	.....	..	.056	.....	.....	..	..	....	3.1	1.4	...
565	829	1800	3	4	..	8509.13	..	.....	..	.056	.....	.....	..	..	....	4.4	2.0	480
566	829	2100	3	4	..	8495.14	..	.....	..	.052	.....	.....	..	..	....	2.7	1.0	...
567	829	2100	3	4	..	8510.13	..	.....	..	.052	.....	.....	..	..	....	4.5	2.0	485
568	829	2400	3	4	..	8496.14	..	.....	..	.048	.....	.....	..	..	....	1.9	1.6	...
569	829	2400	3	4	..	8511.13	..	.....	..	.048	.....	.....	..	..	....	3.9	2.0	485
570	830	300	3	4	..	8497.14	..	.....	..	.046	.....	.....	..	..	....	2.5	1.7	...
571	830	600	3	4	..	8498.14	..	.....	..	.044	.....	.....	..	..	....	2.3	1.7	...
572	830	600	3	4	..	8513.13	..	.....	..	.044	.....	.....	..	..	....	4.9	2.7	...
573	830	900	3	4	..	8499.14	..	.....	..	.042	.....	.....	..	..	....	1.8	1.4	...
574	830	900	3	4	..	8514.13	..	.....	..	.042	.....	.....	..	..	....	3.1	2.1	...
575	830	1200	3	4	..	8500.14	..	.....	..	.040	.....	.....	..	..	....	2.0	1.6	...
576	830	1200	3	4	..	8515.13	..	.....	..	.040	.....	.....	..	..	....	4.3	2.4	...
577	830	1500	3	4	..	8518.14	..	.....	..	.040	.....	.....	..	..	....	3.1	1.4	450
578	830	1530	3	4	..	8517.13	..	.....	..	.040	.....	.....	..	..	....	3.2	2.5	465
579	830	1800	3	4	..	8519.14	..	.....	..	.040	.....	.....	..	..	....	3.8	1.6	450
580	830	1830	3	4	..	8520.13	..	.....	..	.040	.....	.....	..	..	....	8.6	3.7	470
581	830	2100	3	4	..	8521.14	..	.....	..	.040	.....	.....	..	..	....	2.9	1.5	455
582	830	2130	3	4	..	8522.13	..	.....	..	.040	.....	.....	..	..	....	4.4	1.9	470
583	830	2400	3	4	..	8523.14	..	.....	..	.039	.....	.....	..	..	....	3.0	1.6	450
584	831	30	3	4	..	8524.13	..	.....	..	.039	.....	.....	..	..	....	5.4	2.3	470
585	831	300	3	4	..	8525.14	..	.....	..	.039	.....	.....	..	..	....	1.5	.9	460
586	831	330	3	4	..	8526.13	..	.....	..	.039	.....	.....	..	..	....	5.3	2.1	470
587	831	600	3	4	..	8527.14	..	.....	..	.039	.....	.....	..	..	....	3.3	1.9	460
588	831	630	3	4	..	8528.13	..	.....	..	.039	.....	.....	..	..	....	4.0	1.8	470
589	831	900	3	4	..	8759.14	..	.....	..	.039	.....	.....	..	..	....	2.4	.9	460

590	831	930	3	4	..	8760.13	..	.....	..	.039	.....	.....	..	..	....	5.6	1.4	480	
591	831	1200	3	4	..	8761.14	..	.....	..	.038	.....	.....	..	..	....	8.0	1.8	455	
592	831	1230	3	4	..	8762.13	..	.....	..	.038	.....	.....	..	..	....	5.3	1.0	480	
593	831	1500	3	4	..	8763.14	..	.....	..	.038	.....	.....	..	..	....	11.9	2.4	460	
594	831	1530	3	4	..	8764.13	..	.....	..	.038	.....	.....	..	..	....	6.2	1.7	480	
595	831	1800	3	4	..	8765.14	..	.....	..	.038	.....	.....	..	..	....	7.1	2.0	465	
596	831	1830	3	4	..	8766.13	..	.....	..	.038	.....	.....	..	..	....	4.7	1.4	480	
597	831	2100	3	4	..	8775.14	..	.....	..	.038	.....	.....	..	..	....	1.6	1.4	470	
598	831	2130	3	4	..	8767.13	..	.....	..	.038	.....	.....	..	..	....	8.4	2.8	475	
599	831	2400	3	4	..	8774.14	..	.....	..	.038	.....	.....	..	..	....	3.9	2.1	460	
600	901	30	3	4	..	8768.13	..	.....	..	.038	.....	.....	..	..	....	6.3	2.2	480	
601	901	300	3	4	..	8773.14	..	.....	..	.038	.....	.....	..	..	....	3.3	2.0	455	
602	901	330	3	4	..	8769.13	..	.....	..	.038	.....	.....	..	..	....	7.1	3.2	480	
603	901	600	3	4	..	8772.14	..	.....	..	.037	.....	.....	..	..	....	2.8	2.1	450	
604	901	630	3	4	..	8770.13	..	.....	..	.037	.....	.....	..	..	....	9.1	2.8	480	
605	901	900	3	4	..	8771.14	..	.....	..	.037	.....	.....	..	..	....	2.0	2.3	455	
606	901	930	3	4	..	8776.13	..	.....	..	.037	.....	.....	..	..	....	6.1	2.6	480	
607	901	1200	3	4	..	8785.14	..	.....	..	.037	.....	.....	..	..	....	7.9	2.0	450	
608	901	1230	3	4	..	8777.13	..	.....	..	.037	.....	.....	..	..	....	8.5	3.4	480	
609	901	1500	3	4	..	8786.14	..	.....	..	.036	.....	.....	..	..	....	2.6	1.4	450	
610	901	1530	3	4	..	8778.13	..	.....	..	.036	.....	.....	..	..	....	6.1	2.3	480	
611	901	1800	3	4	..	8787.14	..	.....	..	.036	.....	.....	..	..	....	.....	.....	...	
612	901	1830	3	4	..	8779.13	..	.....	..	.036	.....	.....	..	..	....	4.4	1.8	480	
613	901	2100	3	4	..	8788.14	..	.....	..	.036	.....	.....	..	..	....	8.5	2.9	460	
614	901	2130	3	4	..	8780.13	..	.....	..	.036	.....	.....	..	..	....	6.2	1.8	480	
615	901	2400	3	4	..	8789.14	..	.....	..	.036	.....	.....	..	..	....	4.4	1.4	450	
616	902	30	3	4	..	8781.13	..	.....	..	.036	.....	.....	..	..	....	6.3	2.1	480	
617	902	300	3	4	..	8790.14	..	.....	..	.036	.....	.....	..	..	....	5.2	.9	460	
618	902	330	3	4	..	8782.13	..	.....	..	.036	.....	.....	..	..	....	4.7	1.9	480	
619	902	1200	3	4	..	8791.10	..	.....	..	.036	.....	.....	..	..	....	3.0	1.0	460	
620	902	1200	3	4	..	8815.13	..	.....	..	.036	.....	.....	..	..	....	.....	.....	...	
621	902	1300	..	1	..	8516.10	1	.148	*	.036	.148	.....	..	..	3.4	2.6	1.4	470	
622	902	1500	3	4	..	8795.14	..	.....	..	.036	.....	.....	..	..	....	3.7	2.8	450	
623	902	1500	3	4	..	8816.13	..	.....	..	.036	.....	.....	..	..	....	5.6	1.8	460	
624	902	1800	3	4	..	8800.14	..	.....	..	.036	.....	.....	..	..	....	3.3	1.4	470	
625	902	1800	3	4	..	8817.13	..	.....	..	.036	.....	.....	..	..	....	6.2	1.7	470	
626	902	2100	3	4	..	8801.14	..	.....	..	.036	.....	.....	..	..	....	3.5	1.3	470	
627	902	2100	3	4	..	8818.13	..	.....	..	.036	.....	.....	..	..	....	4.6	1.3	475	
628	902	2400	3	4	..	8802.14	..	.....	..	.036	.....	.....	..	..	....	3.4	.9	470	
629	902	2400	3	4	..	8819.13	..	.....	..	.036	.....	.....	..	..	....	4.4	1.9	470	
630	903	300	3	4	..	8803.14	..	.....	..	.036	.....	.....	..	..	....	4.6	.9	470	
631	903	300	3	4	..	8820.13	..	.....	..	.036	.....	.....	..	..	....	6.0	2.0	480	
632	903	600	3	4	..	8804.14	..	.....	..	.036	.....	.....	..	..	....	4.6	.9	470	
633	903	600	3	4	..	8821.13	..	.....	..	.036	.....	.....	..	..	....	4.4	1.6	480	
634	903	900	3	4	..	8805.14	..	.....	..	.036	.....	.....	..	..	....	4.5	1.8	470	
635	903	900	3	4	..	8822.13	..	.....	..	.036	.....	.....	..	..	....	4.6	1.4	480	
636	903	1200	3	4	..	8806.14	..	.....	..	.036	.....	.....	..	..	....	4.2	1.7	475	
637	903	1200	3	4	..	8823.13	..	.....	..	.036	.....	.....	..	..	....	3.6	1.5	470	
638	903	1500	3	4	..	8807.14	..	.....	..	.036	.....	.....	..	..	....	5.5	1.9	470	
639	903	1500	3	4	..	8824.13	..	.....	..	.036	.....	.....	..	..	....	7.5	2.1	480	
640	903	1800	3	4	..	8808.14	..	.....	..	.036	.....	.....	..	..	....	3.2	1.3	470	
641	903	1800	3	4	..	8825.13	..	.....	..	.036	.....	.....	..	..	....	5.7	2.0	485	
642	903	2100	3	4	..	8809.14	..	.....	..	.036	.....	.....	..	..	....	2.8	1.3	475	
643	903	2100	3	4	..	8826.13	..	.....	..	.036	.....	.....	..	..	....	1.2	.9	485	
644	903	2400	3	4	..	8810.14	..	.....	..	.036	.....	.....	..	..	....	4.9	1.3	475	
645	903	2400	3	4	..	8827.13	..	.....	..	.036	.....	.....	..	..	....	3.5	1.6	480	
646	904	300	3	4	..	8811.14	..	.....	..	.036	.....	.....	..	..	....	4.2	1.4	470	
647	904	300	3	4	..	8828.13	..	.....	..	.036	.....	.....	..	..	....	2.7	1.3	480	
648	904	600	3	4	..	8812.14	..	.....	..	.036	.....	.....	..	..	....	3.4	1.5	470	
649	904	600	3	4	..	8829.13	..	.....	..	.036	.....	.....	..	..	....	2.0	.8	485	

650	904	900	3	4	..	8813.14	..	.....	..	.036	.....	.....	..	..	....	5.8	1.3	480
651	904	900	3	4	..	8830.13	..	.....	..	.036	.....	.....	..	..	....	2.3	.9	490
652	904	1200	3	4	..	8814.14	..	.....	..	.036	.....	.....	..	..	....	2.4	.9	480
653	904	1200	3	4	..	8831.13	..	.....	..	.036	.....	.....	..	..	....	3.3	1.3	485
654	904	1500	3	4	..	8832.13	..	.....	..	.036	.....	.....	..	..	....	27.8	19.0	490
655	904	1500	3	4	..	8835.14	..	.....	..	.036	.....	.....	..	..	....	4.3	1.3	450
656	904	1800	3	4	..	8833.13	..	.....	..	.036	.....	.....	..	..	....	6.3	2.8	490
657	904	1800	3	4	..	8836.14	..	.....	..	.036	.....	.....	..	..	....	2.4	1.5	460
658	904	2100	3	4	..	8834.13	..	.....	..	.036	.....	.....	..	..	....	9.5	2.5	500
659	904	2100	3	4	..	8837.14	..	.....	..	.036	.....	.....	..	..	....	2.9	1.5	465
660	904	2400	3	4	..	8799.13	..	.....	..	.036	.....	.....	..	..	....	6.9	2.3	490
661	904	2400	3	4	..	8838.14	..	.....	..	.036	.....	.....	..	..	....	2.9	.7	470
662	905	300	3	4	..	8798.13	..	.....	..	.036	.....	.....	..	..	....	7.0	2.0	490
663	905	300	3	4	..	8839.14	..	.....	..	.036	.....	.....	..	..	....	3.9	1.7	460
664	905	600	3	4	..	8797.13	..	.....	..	.036	.....	.....	..	..	....	8.2	1.8	490
665	905	600	3	4	..	8840.14	..	.....	..	.036	.....	.....	..	..	....	1.0	.9	470
666	905	900	3	4	..	8796.13	..	.....	..	.036	.....	.....	..	..	....	10.8	4.7	490
667	905	900	3	4	..	8841.14	..	.....	..	.036	.....	.....	..	..	....	2.6	.9	465
668	905	1200	3	4	..	8842.13	..	.....	..	.036	.....	.....	..	..	....	2.8	2.5	470
669	905	1200	3	4	..	8867.14	..	.....	..	.036	.....	.....	..	..	....	3.6	1.8	460
670	905	1230	..	1	..	8794.10	..	.140	..	.036	.....	.....	..	..	1.2	1.8	.7	470
671	905	1500	3	4	..	8843.13	..	.....	..	.036	.....	.....	..	..	....	12.6	3.8	480
672	905	1500	3	4	..	8868.14	..	.....	..	.036	.....	.....	..	..	....	3.8	1.9	460
673	905	1800	3	4	..	8844.13	..	.....	..	.036	.....	.....	..	..	....	2283.2	1200.0	490
674	905	1800	3	4	..	8869.14	..	.....	..	.036	.....	.....	..	..	....	2.9	1.7	465
675	905	2100	3	4	..	8845.13	..	.....	..	.036	.....	.....	..	..	....	83.6	55.0	470
676	905	2100	3	4	..	8870.14	..	.....	..	.036	.....	.....	..	..	....	3.1	1.6	460
677	905	2400	3	4	..	8846.13	..	.....	..	.036	.....	.....	..	..	....	39.1	24.0	460
678	905	2400	3	4	..	8871.14	..	.....	..	.036	.....	.....	..	..	....	2.9	1.7	450
679	906	300	3	4	..	8847.13	..	.....	..	.036	.....	.....	..	..	....	57.6	32.0	460
680	906	300	3	4	..	8872.14	..	.....	..	.036	.....	.....	..	..	....	4.6	3.2	450
681	906	600	3	4	..	8848.13	..	.....	..	.....	.....	.....	..	..	....	183.2	79.0	445
682	906	600	3	4	..	8873.14	..	.....	..	.....	.....	.....	..	..	....	8.6	6.2	425
683	906	900	3	4	..	8849.13	..	.....	..	.500	.....	.....	..	..	....	1699.4	930.0	430
684	906	900	3	4	..	8874.14	..	.....	..	.500	.....	.....	..	..	....	72.6	65.0	395
685	906	1200	3	4	..	8850.13	..	.....	..	1.300	.....	.....	..	..	....	2248.8	1100.0	410
686	906	1200	3	4	..	8875.14	..	.....	..	1.300	.....	.....	..	..	....	1236.0	650.0	390
687	906	1500	3	4	..	8851.13	..	.....	..	1.200	.....	.....	..	..	....	1284.3	600.0	440
688	906	1500	3	4	..	8876.14	..	.....	..	1.200	.....	.....	..	..	....	1075.1	570.0	430
689	906	1800	3	4	..	8852.13	..	.....	..	1.000	.....	.....	..	..	....	744.9	370.0	405
690	906	1800	3	4	..	8877.14	..	.....	..	1.000	.....	.....	..	..	....	624.2	370.0	395
691	906	2100	3	4	..	8853.13	..	.....	..	1.100	.....	.....	..	..	....	846.1	420.0	385
692	906	2100	3	4	..	8878.14	..	.....	..	1.100	.....	.....	..	..	....	725.2	330.0	370
693	906	2400	3	4	..	8854.13	..	.....	..	1.000	.....	.....	..	..	....	868.0	380.0	375
694	906	2400	3	4	..	8879.14	..	.....	..	1.000	.....	.....	..	..	....	616.2	320.0	360
695	907	300	3	4	..	8855.13	..	.....	..	.900	.....	.....	..	..	....	628.8	330.0	360
696	907	300	3	4	..	8880.14	..	.....	..	.900	.....	.....	..	..	....	539.6	290.0	350
697	907	600	3	4	..	8856.13	..	.....	..	.820	.....	.....	..	..	....	416.9	240.0	340
698	907	600	3	4	..	8881.14	..	.....	..	.820	.....	.....	..	..	....	327.1	220.0	330
699	907	900	3	4	..	8857.13	..	.....	..	.740	.....	.....	..	..	....	312.0	190.0	320
700	907	900	3	4	..	8882.14	..	.....	..	.740	.....	.....	..	..	....	228.1	100.0	310
701	907	1200	3	4	..	8858.13	..	.....	..	.660	.....	.....	..	..	....	166.0	94.0	310
702	907	1200	3	4	..	8883.14	..	.....	..	.660	.....	.....	..	..	....	170.9	84.0	300
703	907	1500	3	4	..	8859.13	..	.....	..	.580	.....	.....	..	..	....	133.1	78.0	300
704	907	1500	3	4	..	8884.14	..	.....	..	.580	.....	.....	..	..	....	119.8	67.0	290
705	907	1800	3	4	..	8860.13	..	.....	..	.500	.....	.....	..	..	....	104.3	68.0	300
706	907	1800	3	4	..	8885.14	..	.....	..	.500	.....	.....	..	..	....	94.6	58.0	290
707	907	2100	3	4	..	8861.13	..	.....	..	.490	.....	.....	..	..	....	81.9	57.0	300
708	907	2100	3	4	..	8886.14	..	.....	..	.490	.....	.....	..	..	....	77.4	50.0	290
709	907	2400	3	4	..	8862.13	..	.....	..	.490	.....	.....	..	..	....	72.8	52.0	290

710	907	2400	3	4	..	8887.14	..	.....	..	.490	.....	.....	..	..	....	71.7	48.0	290
711	908	300	3	4	..	8863.13	..	.....	..	.480	.....	.....	..	..	....	58.6	45.0	290
712	908	300	3	4	..	8888.14	..	.....	..	.480	.....	.....	..	..	....	55.4	42.0	290
713	908	600	3	4	..	8864.13	..	.....	..	.480	.....	.....	..	..	....	56.1	48.0	290
714	908	600	3	4	..	8889.14	..	.....	..	.480	.....	.....	..	..	....	45.0	35.0	290
715	908	900	3	4	..	8865.13	..	.....	..	.470	.....	.....	..	..	....	46.4	42.0	290
716	908	900	3	4	..	8890.14	..	.....	..	.470	.....	.....	..	..	....	42.4	35.0	290
717	908	1200	..	1	..	8866.10	2	.298	*	.470	.....	.....	..	..	49.8	35.3	35.0	280
718	908	1200	3	4	..	8895.13	..	.....	..	.470	.....	.....	..	..	....	39.8	32.0	270
719	908	1200	3	4	..	8920.14	..	.....	..	.470	.....	.....	..	..	....	41.5	37.0	280
720	908	1500	3	4	..	8896.13	..	.....	..	.450	.....	.....	..	..	....	33.3	30.0	270
721	908	1500	3	4	..	8921.14	..	.....	..	.450	.....	.....	..	..	....	31.3	35.0	280
722	908	1800	3	4	..	8897.13	..	.....	..	.430	.....	.....	..	..	....	48.8	38.0	270
723	908	1800	3	4	..	8922.14	..	.....	..	.430	.....	.....	..	..	....	31.3	33.0	285
724	908	2100	3	4	..	8898.13	..	.....	..	.350	.....	.....	..	..	....	29.1	28.0	280
725	908	2100	3	4	..	8923.14	..	.....	..	.350	.....	.....	..	..	....	26.7	28.0	285
726	908	2400	3	4	..	8899.13	..	.....	..	.300	.....	.....	..	..	....	29.4	32.0	280
727	908	2400	3	4	..	8924.14	..	.....	..	.300	.....	.....	..	..	....	29.6	28.0	285
728	909	300	3	4	..	8900.13	..	.....	..	.300	.....	.....	..	..	....	20.0	33.0	280
729	909	300	3	4	..	8925.14	..	.....	..	.300	.....	.....	..	..	....	27.5	28.0	290
730	909	600	3	4	..	8901.13	..	.....	..	.350	.....	.....	..	..	....	310.6	420.0	280
731	909	600	3	4	..	8926.14	..	.....	..	.350	.....	.....	..	..	....	85.1	75.0	285
732	909	900	3	4	..	8902.13	..	.....	..	.450	.....	.....	..	..	....	182.4	170.0	270
733	909	900	3	4	..	8927.14	..	.....	..	.450	.....	.....	..	..	....	99.8	78.0	280
734	909	1200	3	4	..	8903.13	..	.....	..	.500	.....	.....	..	..	....	163.1	130.0	270
735	909	1200	3	4	..	8928.14	..	.....	..	.500	.....	.....	..	..	....	109.4	92.0	280
736	909	1500	3	4	..	8904.13	..	.....	..	.500	.....	.....	..	..	....	152.3	110.0	270
737	909	1500	3	4	..	8929.14	..	.....	..	.500	.....	.....	..	..	....	106.3	91.0	280
738	909	1800	3	4	..	8905.13	..	.....	..	.500	.....	.....	..	..	....	118.0	77.0	265
739	909	1800	3	4	..	8930.14	..	.....	..	.500	.....	.....	..	..	....	102.7	75.0	275
740	909	2100	3	4	..	8906.13	..	.....	..	.650	.....	.....	..	..	....	169.7	95.0	255
741	909	2100	3	4	..	8931.14	..	.....	..	.650	.....	.....	..	..	....	148.8	92.0	260
742	909	2400	3	4	..	8907.13	..	.....	..	.700	.....	.....	..	..	....	207.7	150.0	250
743	909	2400	3	4	..	8932.14	..	.....	..	.700	.....	.....	..	..	....	195.3	120.0	260
744	910	300	3	4	..	8908.13	..	.....	..	.700	.....	.....	..	..	....	625.8	400.0	250
745	910	300	3	4	..	8933.14	..	.....	..	.700	.....	.....	..	..	....	192.5	120.0	260
746	910	600	3	4	..	8909.13	..	.....	..	.850	.....	.....	..	..	....	367.8	220.0	250
747	910	600	3	4	..	8934.14	..	.....	..	.850	.....	.....	..	..	....	298.8	130.0	260
748	910	900	3	4	..	8910.13	..	.....	..	.900	.....	.....	..	..	....	412.1	230.0	250
749	910	900	3	4	..	8935.14	..	.....	..	.900	.....	.....	..	..	....	332.1	130.0	245
750	910	1200	3	4	..	8911.13	..	.....	..	.900	.....	.....	..	..	....	247.6	180.0	240
751	910	1200	3	4	..	8936.14	..	.....	..	.900	.....	.....	..	..	....	277.6	120.0	240
752	910	1500	3	4	..	8912.13	..	.....	..	.900	.....	.....	..	..	....	357.5	200.0	230
753	910	1500	3	4	..	8937.14	..	.....	..	.900	.....	.....	..	..	....	254.4	120.0	255
754	910	1800	3	4	..	8913.13	..	.....	..	1.000	.....	.....	..	..	....	430.8	230.0	225
755	910	1800	3	4	..	8938.14	..	.....	..	1.000	.....	.....	..	..	....	326.6	120.0	225
756	910	2100	3	4	..	8914.13	..	.....	..	3.000	.....	.....	..	..	....	834.5	340.0	225
757	910	2100	3	4	..	8939.14	..	.....	..	3.000	.....	.....	..	..	....	10489.8	950.0	260
758	910	2400	3	4	..	8915.13	..	.....	..	2.500	.....	.....	..	..	....	10255.1	2300.0	270
759	910	2400	3	4	..	8940.14	..	.....	..	2.500	.....	.....	..	..	....	7978.3	2300.0	280
760	911	300	3	4	..	8916.13	..	.....	..	2.000	.....	.....	..	..	....	2428.7	800.0	205
761	911	300	3	4	..	8941.14	..	.....	..	2.000	.....	.....	..	..	....	1994.5	850.0	210
762	911	600	3	4	..	8917.13	..	.....	..	2.000	.....	.....	..	..	....	1258.4	600.0	190
763	911	600	3	4	..	8942.14	..	.....	..	2.000	.....	.....	..	..	....	1107.1	520.0	190
764	911	900	3	4	..	8918.13	..	.....	..	1.800	.....	.....	..	..	....	1278.6	640.0	195
765	911	900	3	4	..	8943.14	..	.....	..	1.800	.....	.....	..	..	....	983.3	430.0	185
766	911	1300	..	1	..	8919.10	2	.435	*	.....	.....	.....	..	..	31.8	1823.2	470.0	180
767	911	1500	6	4	..	8946.14	..	.....	..	2.400	.....	.....	..	..	....	1636.3	590.0	185
768	911	1500	6	4	..	8968.13	..	.....	..	2.400	.....	.....	..	..	....	1787.1	690.0	200
769	911	2100	6	4	..	8947.14	..	.....	..	2.900	.....	.....	..	..	....	2346.7	800.0	180

770	911	2100	6	4	..	8969.13	..	.....	..	2.900	.....	.....	..	..	....	2667.8	940.0	190
771	912	300	6	4	..	8948.14	..	.....	..	2.500	.....	.....	..	..	....	1026.0	540.0	165
772	912	300	6	4	..	8970.13	..	.....	..	2.500	.....	.....	..	..	....	815.1	580.0	170
773	912	900	6	4	..	8949.14	..	.....	..	2.200	.....	.....	..	..	....	845.0	430.0	160
774	912	900	6	4	..	8971.13	..	.....	..	2.200	.....	.....	..	..	....	865.1	450.0	160
775	912	1500	6	4	..	8950.14	..	.....	..	2.000	.....	.....	..	..	....	652.4	330.0	155
776	912	1500	6	4	..	8972.13	..	.....	..	2.000	.....	.....	..	..	....	683.0	370.0	160
777	912	2100	6	4	..	8951.14	..	.....	..	1.900	.....	.....	..	..	....	663.1	380.0	160
778	912	2100	6	4	..	8973.13	..	.....	..	1.900	.....	.....	..	..	....	748.9	420.0	170
779	913	300	6	4	..	8952.14	..	.....	..	1.800	.....	.....	..	..	....	558.4	320.0	155
780	913	300	6	4	..	8974.13	..	.....	..	1.800	.....	.....	..	..	....	671.6	340.0	160
781	913	900	6	4	..	8953.14	..	.....	..	1.800	.....	.....	..	..	....	453.1	280.0	150
782	913	900	6	4	..	8975.13	..	.....	..	1.800	.....	.....	..	..	....	378.2	310.0	160
783	913	1500	6	4	..	8954.14	..	.....	..	1.750	.....	.....	..	..	....	332.7	230.0	150
784	913	1500	6	4	..	8976.13	..	.....	..	1.750	.....	.....	..	..	....	492.4	280.0	160
785	913	2100	6	4	..	8955.14	..	.....	..	2.800	.....	.....	..	..	....	754.1	400.0	160
786	913	2100	6	4	..	8977.13	..	.....	..	2.800	.....	.....	..	..	....	910.5	500.0	170
787	914	300	6	4	..	8956.14	..	.....	..	2.700	.....	.....	..	..	....	383.6	220.0	155
788	914	300	6	4	..	8978.13	..	.....	..	2.700	.....	.....	..	..	....	471.1	250.0	160
789	914	600	6	4	..	8318.10	..	.....	..	.....	.....	.....	..	..	....	28.4	25.0	430
790	914	900	6	4	..	8957.14	..	.....	..	.....	.....	.....	..	..	....	317.9	200.0	170
791	914	1500	6	4	..	8979.13	..	.....	..	2.600	.....	.....	..	..	....	234.8	170.0	155
792	914	2100	6	4	..	8958.14	..	.....	..	2.500	.....	.....	..	..	....	192.0	100.0	155
793	914	2100	6	4	..	8980.13	..	.....	..	2.500	.....	.....	..	..	....	245.4	120.0	170
794	915	300	6	4	..	8959.14	..	.....	..	2.400	.....	.....	..	..	....	166.6	87.0	160
795	915	300	6	4	..	8981.13	..	.....	..	2.400	.....	.....	..	..	....	195.5	100.0	170
796	915	1500	6	4	..	8960.14	..	.....	..	2.300	.....	.....	..	..	....	135.8	70.0	165
797	915	1500	6	4	..	8982.13	..	.....	..	2.300	.....	.....	..	..	....	164.3	88.0	175
798	915	2100	6	4	..	8961.14	..	.....	..	2.200	.....	.....	..	..	....	122.6	77.0	170
799	915	2100	6	4	..	8983.13	..	.....	..	2.200	.....	.....	..	..	....	149.8	89.0	180
800	916	300	6	4	..	8962.14	..	.....	..	2.100	.....	.....	..	..	....	110.3	68.0	170
801	916	300	6	4	..	8984.13	..	.....	..	2.100	.....	.....	..	..	....	109.1	67.0	180
802	916	900	6	4	..	8963.14	..	.....	..	1.900	.....	.....	..	..	....	158.7	65.0	170
803	916	900	6	4	..	8985.13	..	.....	..	1.900	.....	.....	..	..	....	112.9	60.0	180
804	916	1500	6	4	..	8964.14	..	.....	..	1.800	.....	.....	..	..	....	255.9	90.0	180
805	916	1500	6	4	..	8986.13	..	.....	..	1.800	.....	.....	..	..	....	99.6	64.0	180
806	916	2100	6	4	..	8965.14	..	.....	..	1.700	.....	.....	..	..	....	159.1	76.0	180
807	916	2100	6	4	..	8987.13	..	.....	..	1.700	.....	.....	..	..	....	133.0	79.0	190
808	917	300	6	4	..	8966.14	..	.....	..	1.600	.....	.....	..	..	....	340.1	120.0	180
809	917	300	6	4	..	8988.13	..	.....	..	1.600	.....	.....	..	..	....	275.8	250.0	190
810	917	900	6	4	..	8967.14	..	.....	..	1.550	.....	.....	..	..	....	517.1	120.0	150
811	917	900	6	4	..	8989.13	..	.....	..	1.550	.....	.....	..	..	....	464.9	130.0	160
812	917	1300	..	1	..	8990.13	4	.334	..	.....	.489	.....	..	..	17.0	386.0	120.0	140
813	917	1300	..	1	..	8990.23	4	.334	..	.....	.489	.....	..	..	17.0	271.8	120.0	140
814	917	1300	..	1	..	8991.14	4	.334	..	.....	.489	.....	..	..	17.0	351.7	120.0	145
815	917	1300	..	1	..	8991.24	4	.334	..	.....	.489	.....	..	..	17.0	255.5	120.0	145
816	923	1600	..	1	..	4.10	4	.294	..	.....	.335	.....	..	..	50.0	45.2	42.0	185

PHASE 3 CODE : A9D16B2 *AREA* : 8900 HA
LOCATION : 7-62-12-W6 *LAT/LONG* :
RATING CURVE : *FLOW* = 84.069 × *STAGE*×3.7
COMMENTS : *CREST GAUGE,ISCO WATER SAMPLER,STANDARD RAIN GAUGE ON SITE.*

TABLE 72
WATER QUALITY DATA FOR TORRENS CREEK, GRANDE PRAIRIE FOREST, 1984
JUNE 1, 1984 - AUGUST 7, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	601	1330	..	1	..	5870.10	..	.....	..	.....	.....	.....	..	..	....	17.4	14.0	...
2	601	1430	..	1	..	5871.10	..	.....	..	.....	.....	.....	..	..	....	13.9	10.0	...
3	601	1530	..	1	..	5839.10	..	.....	..	.....	.....	.....	..	..	....	11.8	14.0	...
4	601	1530	..	1	..	5869.10	..	.....	..	.....	.....	.....	..	..	....	22.9	9.7	...
5	601	1630	..	1	..	5868.10	..	.....	..	.....	.....	.....	..	..	....	13.3	7.5	...
6	601	1730	..	1	..	5864.10	..	.....	..	.....	.....	.....	..	..	....	9.2	8.0	...
7	630	1400	..	1	..	5858.10	..	.....	..	.....	.....	.....	..	..	....	10.2	5.4	...
8	630	1440	..	1	..	5855.10	..	.....	..	.....	.....	.....	..	..	....	12.7	5.2	...
9	630	1440	..	1	..	5857.10	..	.....	..	.....	.....	.....	..	..	....	8.0	6.6	...
10	630	1540	..	1	..	5844.10	..	.....	..	.....	.....	.....	..	..	....	8.4	6.7	...
11	630	1540	..	1	..	5854.10	..	.....	..	.....	.....	.....	..	..	....	21.3	5.8	...
12	630	1640	..	1	..	5846.10	..	.....	..	.....	.....	.....	..	..	....	9.5	7.4	...
13	630	1640	..	1	..	5853.10	..	.....	..	.....	.....	.....	..	..	....	11.6	5.5	...
14	701	1145	..	1	..	5845.10	..	.....	..	.....	.....	.....	..	..	....	19.6	11.0	...
15	701	1230	..	1	..	5852.10	..	.....	..	.....	.....	.....	..	..	....	11.3	13.0	...
16	701	1330	..	1	..	5837.10	..	.....	..	.....	.....	.....	..	..	....	11.2	15.0	...
17	701	1430	..	1	..	5838.10	..	.....	..	.....	.....	.....	..	..	....	11.6	13.0	...
18	701	1630	..	1	..	5840.10	..	.....	..	.....	.....	.....	..	..	....	11.2	13.0	...
19	701	1730	..	1	..	5841.10	..	.....	..	.....	.....	.....	..	..	....	12.7	13.0	...
20	701	1830	..	1	..	5849.10	..	.....	..	.....	.....	.....	..	..	....	11.6	15.0	...
21	701	1830	..	1	..	5865.10	..	.....	..	.....	.....	.....	..	..	....	12.1	8.7	...
22	701	1930	..	1	..	5848.10	..	.....	..	.....	.....	.....	..	..	....	11.6	16.0	...
23	701	1930	..	1	..	5866.10	..	.....	..	.....	.....	.....	..	..	....	14.0	14.0	...
24	702	1030	..	1	..	5843.10	..	.....	..	.....	.....	.....	..	..	....	10.5	12.0	...
25	702	1100	..	1	..	5862.10	..	.....	..	.....	.....	.....	..	..	....	10.0	6.4	...
26	702	1140	..	1	..	5847.10	..	.....	..	.....	.....	.....	..	..	....	9.0	8.5	...
27	702	1140	..	1	..	5863.10	..	.....	..	.....	.....	.....	..	..	....	5.5	5.6	...
28	702	1240	..	1	..	5842.10	..	.....	..	.....	.....	.....	..	..	....	9.4	7.6	...
29	702	1240	..	1	..	5867.10	..	.....	..	.....	.....	.....	..	..	....	8.0	5.2	...
30	702	1340	..	1	..	5851.10	..	.....	..	.....	.....	.....	..	..	....	10.2	5.3	...
31	702	1340	..	1	..	5859.10	..	.....	..	.....	.....	.....	..	..	....	6.8	4.2	...
32	702	1440	..	1	..	5861.10	..	.....	..	.....	.....	.....	..	..	....	6.6	4.2	...
33	702	1540	..	1	..	5850.10	..	.....	..	.....	.....	.....	..	..	....	8.9	4.7	...
34	702	1540	..	1	..	5860.10	..	.....	..	.....	.....	.....	..	..	....	7.5	4.8	...
35	707	1440	..	1	..	5856.10	..	.....	..	.....	.....	.....	..	..	....	36.8	6.3	...
36	803	1330	..	1	..	8590.10	..	.....	..	.....	.....	.....	..	..	....	5.3	2.7	265
37	803	1740	..	1	..	8628.10	..	.....	*	.587	.....	.....	..	..	....	1.8	.8	270
38	803	1755	..	1	..	8629.10	..	.....	*	.587	.....	.....	..	..	....	6.8	1.0	265
39	803	1810	..	1	..	8630.10	..	.....	..	.....	.....	.....	..	..	....	1.3	.6	265
40	803	1825	..	1	..	8631.10	..	.....	..	.....	.....	.....	..	..	....	.8	.4	270
41	803	1925	..	1	..	6237.10	..	.....	..	.....	.....	.....	..	..	....	3.4	.3	230
42	803	1940	..	1	..	6236.10	..	.....	..	.....	.....	.....	..	..	....	4.2	.5	230
43	803	1955	..	1	..	6235.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.3	230
44	803	2010	..	1	..	6234.10	..	.....	..	.....	.....	.....	..	..	....	5.8	.5	230
45	804	1200	..	1	..	6238.10	..	.....	..	.....	.....	.....	..	..	....	3.5	.3	240
46	804	1200	..	1	..	8573.10	..	.....	..	.....	.....	.....	..	..	....	9.2	1.0	255
47	804	1300	..	1	..	6239.10	..	.....	*	.490	.....	.....	..	..	....	5.5	.3	240
48	804	1300	..	1	..	8574.10	..	.....	*	.490	.....	.....	..	..	....	9.8	1.4	255
49	804	1400	..	1	..	6240.10	..	.....	..	.....	.....	.....	..	..	....	3.3	.3	240

50	804	1400	..	1	..	8575.10	..	.....	..	.....	.....	.....	..	..	....	33.0	5.1	260
51	804	1500	..	1	..	6241.10	..	.....	..	.....	.....	.....	..	..	....	3.8	.5	240
52	804	1500	..	1	..	8576.10	..	.....	..	.....	.....	.....	..	..	....	3.7	.4	260
53	804	1600	..	1	..	6242.10	..	.....	..	.....	.....	.....	..	..	....	4.1	.3	235
54	804	1600	..	1	..	8577.10	..	.....	..	.....	.....	.....	..	..	....	4.0	.4	265
55	804	1700	..	1	..	6243.10	..	.....	..	.....	.....	.....	..	..	....	4.9	.3	235
56	804	1700	..	1	..	8578.10	..	.....	..	.....	.....	.....	..	..	....	3.1	.5	265
57	805	....	..	1	..	8619.10	..	.....	..	.....	.....	.....	..	..	....	12.4	1.7	270
58	805	....	..	1	..	8620.10	..	.....	..	.....	.....	.....	..	..	....	8.4	1.0	270
59	805	....	..	1	..	8621.10	..	.....	..	.....	.....	.....	..	..	....	93.6	.9	270
60	805	....	..	1	..	8622.10	..	.....	..	.....	.....	.....	..	..	....	4.3	.5	270
61	805	....	..	1	..	8623.10	..	.....	..	.....	.....	.....	..	..	....	1.6	.5	270
62	805	1000	..	1	..	6244.10	..	.....	..	.....	.....	.....	..	..	....	8.7	3.0	245
63	805	1000	..	1	..	8579.10	..	.....	..	.....	.....	.....	..	..	....	2.3	.3	265
64	805	1100	..	1	..	6245.10	..	.....	..	.....	.....	.....	..	..	....	8.9	.3	250
65	805	1100	..	1	..	8580.10	..	.....	..	.....	.....	.....	..	..	....	3.5	.4	265
66	805	1200	..	1	..	6246.10	..	.....	..	.....	.....	.....	..	..	....	4.0	.6	245
67	805	1200	..	1	..	8581.10	..	.....	..	.....	.....	.....	..	..	....	7.5	1.4	270
68	805	1300	..	1	..	6247.10	..	.....	..	.....	.....	.....	..	..	....	5.0	.4	245
69	805	1300	..	1	..	8582.10	..	.....	..	.....	.....	.....	..	..	....	6.1	.8	270
70	805	1400	..	1	..	6248.10	..	.....	*	.530	.....	.....	..	..	....	5.0	.6	245
71	805	1400	..	1	..	8583.10	..	.....	*	.530	.....	.....	..	..	....	15.9	2.8	270
72	805	1500	..	1	..	6246.10	..	.....	..	.....	.....	.....	..	..	....	8.8	.6	245
73	805	1500	..	1	..	8584.10	..	.....	..	.....	.....	.....	..	..	....	11.3	.7	270
74	805	1600	..	1	..	6250.10	..	.....	..	.....	.....	.....	..	..	....	7.5	.6	245
75	805	1600	..	1	..	8585.10	..	.....	..	.....	.....	.....	..	..	....	9.6	1.8	270
76	805	1700	..	1	..	6251.10	..	.....	..	.....	.....	.....	..	..	....	7.5	.9	245
77	805	1700	..	1	..	8586.10	..	.....	..	.....	.....	.....	..	..	....	8.2	.5	270
78	806	1030	..	1	..	8587.10	..	.....	*	.751	.....	.....	..	..	....	5.3	3.4	260
79	806	1030	..	1	..	8612.10	..	.....	*	.751	.....	.....	..	..	....	12.1	.6	230
80	806	1130	..	1	..	8588.10	..	.....	..	.....	.....	.....	..	..	....	6.1	3.0	260
81	806	1130	..	1	..	8613.10	..	.....	..	.....	.....	.....	..	..	....	4.0	.2	235
82	806	1230	..	1	..	8589.10	..	.....	..	.....	.....	.....	..	..	....	3.8	2.7	260
83	806	1230	..	1	..	8614.10	..	.....	..	.....	.....	.....	..	..	....	3.5	.4	235
84	806	1330	..	1	..	8615.10	..	.....	..	.....	.....	.....	..	..	....	2.9	.3	235
85	806	1430	..	1	..	8591.10	..	.....	..	.....	.....	.....	..	..	....	7.3	2.2	250
86	806	1430	..	1	..	8616.10	..	.....	..	.....	.....	.....	..	..	....	4.6	.6	235
87	807	1100	..	1	..	8624.10	..	.....	*	.527	.....	.....	..	..	....	1.6	.9	270
88	807	1115	..	1	..	8625.10	..	.....	*	.527	.....	.....	..	..	....	2.0	.9	270
89	807	1130	..	1	..	8626.10	..	.....	..	.....	.....	.....	..	..	....	4.7	1.0	270
90	807	1145	..	1	..	8627.10	..	.....	..	.....	.....	.....	..	..	....	1.5	.8	275
91	807	1230	..	1	..	8617.10	..	.....	..	.....	.....	.....	..	..	....	2.3	.5	240
92	807	1245	..	1	..	8618.10	..	.....	..	.....	.....	.....	..	..	....	4.0	.7	240
93	807	1300	..	1	..	6252.10	..	.....	..	.....	.....	.....	..	..	....	2.9	.4	245
94	807	1315	..	1	..	6253.10	..	.....	..	.....	.....	.....	..	..	....	6.7	.4	250

PHASE 3 CODE : *AREA : HA*
LOCATION : *LAT/LONG :*

TABLE 73
WATER QUALITY DATA FOR WOLF CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 4, 1984 - SEPTEMBER 18, 1984

	DATE	TIME	SI	TY	NI	NUMBER	FCON	STAGE	AC	FLOW	PEAK	PFLOW	STEMP	ATEMP	PREC	CONC	TURB	COND
			HR					M		CMS	M	CMS	°C	°C	MM	MG/L	JTU	UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	504	1330	..	1	..	5401.10	1	.....	*	.687	.....	.....	..	..	....	66.0	42.0	270
2	515	1200	..	1	..	5427.10	1	.....	*	1.313	.....	.....	..	..	....	67.2	54.0	220
3	517	1300	..	1	..	5430.10	4	.....	*	3.132	.....	.....	..	..	....	434.0	150.0	180
4	519	1130	..	1	..	5658.10	4	.....	*	1.557	.....	.....	..	..	....	93.7	66.0	210
5	521	1200	..	1	..	5556.10	4	.....	*	1.126	.....	.....	..	..	....	51.8	36.0	225
6	523	1130	..	1	..	5580.10	1	.....	*	.812	.....	.....	..	..	....	50.4	28.0	245
7	526	1200	..	1	..	5590.10	1	.....	*	.540	.....	.....	..	..	....	32.5	20.0	260
8	530	1130	..	1	..	5799.10	1	.....	*	.561	.....	.....	..	..	5.0	14.5	17.0	265
9	604	1300	..	1	..	6180.10	1	.....	*	.398	.....	.....	..	..	11.4	9.2	7.2	270
10	606	1030	..	1	..	5814.10	1	.....	*	.554	.....	.....	..	..	6.1	11.5	13.0	225
11	608	1800	..	1	..	6185.10	4	.....	*	4.227	.....	.....	..	..	28.3	481.8	190.0	80
12	611	1300	..	1	..	6196.10	4	.....	*	1.232	.....	.....	..	..	.0	.....	.....	...
13	615	1000	..	1	..	6203.10	1	.310	*	.647	.....	.....	..	..	6.1	15.6	12.0	280
14	619	1400	..	1	..	5831.10	1	.283	*	.454	.....	.....	..	..	8.1	17.1	7.5	300
15	629	1030	..	1	..	6595.10	1	.243	*	.236	.....	.....	..	..	8.3	.....	.....	...
16	707	1200	..	1	..	6268.10	1	.239	*	.235	.....	.....	..	..	22.4	3.1	1.9	...
17	717	1140	..	1	..	5878.10	1	.208	*	.090	.....	.....	..	..	5.7	5.8	1.9	...
18	719	1730	..	1	..	7181.10	1	.201	*	.064	.....	.....	..	..	.3	16.5	7.6	...
19	731	1300	..	1	..	7213.10	1	.192	*	.064	.....	.....	..	..	1.8	2.5	1.4	...
20	816	1600	..	1	..	8561.10	1	.211	*	.111	.....	.....	..	..	57.0	2.4	.8	425
21	823	1500	..	1	..	8730.10	1	.240	..	.064	.....	.....	..	..	5.1	.4	.6	435
22	909	1230	..	1	..	8893.10	4	.314	..	.819	.....	.....	..	..	....	30.6	6.6	130
23	913	1300	..	1	..	8945.10	4	.381	*	2.849	.....	.....	..	..	....	86.7	55.0	195
24	918	1230	..	1	..	8992.10	4	.293	..	.495	.....	.....	..	..	....	6.9	5.4	285
25	918	1230	..	1	..	8992.20	4	.293	..	.495	.....	.....	..	..	....	8.2	5.3	285
26	918	1230	..	1	..	8993.10	4	.293	..	.495	.....	.....	..	..	....	6.3	6.4	280
27	918	1230	..	1	..	8993.20	4	.293	..	.495	.....	.....	..	..	....	7.3	4.8	280

PHASE 3 CODE : A9C16C3 AREA : 8590 HA
LOCATION : 30-63-8-W6 LAT/LONG :
RATING CURVE : FLOW = 198.077 * STAGE*4.847
COMMENTS : STEVENS RECORDER,BELFORT-SANGAMO-SACRAMENTO RAIN GAUGES,ISCO SAMPLER ON SITE.

TABLE 74
WATER QUALITY DATA FOR BAKER CREEK, ROCKY-CLEARWATER FOREST, 1984
APRIL 27, 1984 - AUGUST 9, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	427	1530	..	1	..	5001.10	2	.767	*	.283	.....	.....	..	..	....	4.7	1.1	248
2	502	950	..	1	..	5002.10	1	.783	*	.290	.....	.....	..	..	....	2.4	.6	250
3	507	940	..	1	..	5003.10	..	.862	*	.661	.....	.....	..	..	....	2.9	.6	216
4	514	1000	..	1	..	5004.10	4	.792	*	.265	.....	.....	..	..	....	1.4	.4	250
5	518	930	..	1	..	5005.10	2	1.200	*	1.317	.....	.....	..	..	....	15.8	3.6	188
6	529	930	..	1	..	5006.10	2	.780	*	.270	.....	.....	..	..	....	1.0	.4	270
7	622	1145	..	1	..	5007.10	2	.786	*	.272	.....	.....	..	..	....	1.9	.4	273
8	809	1220	..	1	..	6875.10	1	.695	*	.071	.....	.....	..	..	....	2.8	1.3	380

PHASE 3 CODE : N13D17A5 AREA : 6392 HA
LOCATION : 3-30-46-14-W5 LAT/LONG :
RATING CURVE : FLOW = 0.583 - 3.982(STAGE) + 4.621(STAGE)*2
COMMENTS : STEVENS RECORDER USED S.N. 110987

TABLE 75
WATER QUALITY DATA FOR BASELINE CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 17, 1984 - SEPTEMBER 17, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	517	1000	..	1	..	7881.13	1	.....	..	.....	.....	.....	..	..	....	21.4	4.0	390
2	517	1000	..	1	..	7882.14	1	.....	..	.....	.....	.....	..	..	....	12.4	2.3	395
3	524	1545	..	1	..	7883.13	1	.....	..	.....	.....	.....	..	..	....	3.1	.3	380
4	524	1545	..	1	..	7884.14	1	.....	..	.....	.....	.....	..	..	....	2.9	.4	380
5	531	1400	..	1	..	7885.13	1	.....	..	.....	.....	.....	..	..	....	13.6	2.7	340
6	531	1400	..	1	..	7886.14	1	.....	..	.....	.....	.....	..	..	....	11.9	1.3	340
7	606	1030	..	1	..	7887.13	1	.....	..	.....	.....	.....	..	..	....	8.2	1.3	390
8	606	1030	..	1	..	7888.14	1	.....	..	.....	.....	.....	..	..	....	11.3	1.4	390
9	611	1530	..	1	..	7889.13	1	.....	..	.....	.....	.....	..	..	....	20.7	2.5	440
10	611	1530	..	1	..	7890.14	1	.....	..	.....	.....	.....	..	..	....	17.0	2.0	445
11	618	1410	..	1	..	7891.13	1	.....	..	.....	.....	.....	..	..	....	2.9	.5	390
12	618	1410	..	1	..	7892.14	1	.....	..	.....	.....	.....	..	..	....	2.7	4.5	390
13	627	1430	..	1	..	7893.13	1	.....	..	.....	.....	.....	..	..	....	2.6	.9	400
14	627	1430	..	1	..	7894.14	1	.....	..	.....	.....	.....	..	..	....	1.7	.7	400
15	712	1400	..	1	..	7895.13	1	.....	..	.....	.....	.....	..	..	....	2.0	1.3	420
16	712	1400	..	1	..	7896.14	1	.....	..	.....	.....	.....	..	..	....	1.7	.9	420
17	723	1400	..	1	..	7897.13	1	.....	..	.....	.....	.....	..	..	....	2.2	.9	415
18	723	1400	..	1	..	7898.14	1	.....	..	.....	.....	.....	..	..	....	1.3	.9	415
19	730	1330	..	1	..	7899.13	1	.....	..	.....	.....	.....	..	..	....	1.1	.8	420
20	730	1330	..	1	..	7900.14	1	.....	..	.....	.....	.....	..	..	....	1.1	.9	425
21	810	1600	..	1	..	7705.14	1	.....	..	.....	.....	.....	..	..	....	3.1	1.2	409
22	810	1600	..	1	..	7706.13	1	.....	..	.....	.....	.....	..	..	....	4.2	1.0	407
23	817	1410	..	1	..	7707.14	1	.....	..	.....	.....	.....	..	..	....	2.4	1.0	410
24	817	1410	..	1	..	7708.13	1	.....	..	.....	.....	.....	..	..	....	2.9	.4	410
25	823	1445	..	1	..	7709.14	1	.....	..	.....	.....	.....	..	..	....	7.5	.5	417
26	823	1445	..	1	..	7710.13	1	.....	..	.....	.....	.....	..	..	....	4.2	1.0	409
27	917	1400	..	1	..	7711.14	4	.....	..	.....	.....	.....	..	..	....	6.8	1.0	383
28	917	1400	..	1	..	7712.13	4	.....	..	.....	.....	.....	..	..	....	3.6	.6	390

PHASE 3 CODE : H13A11C3 AREA : 3680 HA
LOCATION : 11-22-37-9-W5 LAT/LONG :

**** RCSBREWSTER84 RCSBREWSTER84

TABLE 76
WATER QUALITY DATA FOR BREWSTER CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 21, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	521	1715	..	1	..	5049.10	4	.515	..	.....	.792	.....	..	..	....	2.2	.3	...
2	603	1410	..	1	..	5058.10	4	.452	..	.....	.517	.....	..	..	....	.4	.5	...
3	609	1805	..	1	..	5065.10	..	.840	..	.....	.840	.....	..	..	....	54.4	24.0	...
4	618	1025	..	1	..	5074.10	1	.560	..	.....	.870	.....	..	..	....	3.5	.8	...
5	702	1530	..	1	..	5081.10	1	.449	..	.....	.586	.....	..	..	....	3.6	.5	...
6	709	1050	..	1	..	5046.10	1	.415	..	.....	.420	.....	..	..	....	5.2	.9	320
7	723	1130	..	1	..	7839.10	1	.412	..	.....	.568	.....	..	..	....	5.5	1.4	350
8	807	1445	..	1	..	7845.10	1	.409	..	.....	.409	.....	..	..	....	2.4	1.6	355
9	813	1430	..	1	..	7850.10	1	.405	..	.....	.405	.....	..	..	....	3.2	1.4	360
10	908	1205	..	1	..	7851.10	4	.545	..	.....	.640	.....	..	..	....	2.9	1.5	345
11	913	1200	..	1	..	7904.10	4	.520	..	.....	.....	.....	..	..	....	16.0	2.2	300
12	921	1220	..	..	..	8186.10	..	.....	..	.....	.....	.....	..	..	....	3.1	1.7	245
13	921	1220	..	..	..	8187.10	..	.....	..	.....	.....	.....	..	..	....	5.3	2.6	280

PHASE 3 CODE : N13C16C1 AREA : 9090 HA
LOCATION : 12-16-42-10-W5 LAT/LONG :

**** RCSBROWN84 RCSBROWN84

TABLE 77
WATER QUALITY DATA FOR BROWN CREEK, ROCKY-CLEARWATER FOREST, 1984
JUNE 10, 1984 - SEPTEMBER 15, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	610	1340	..	1	..	5224.10	1	.....	..	.....	.....	.....	..	..	....	40.0	32.0	...
2	615	1550	..	1	..	5227.10	1	.....	..	.....	.....	.....	..	..	....	9.6	5.8	...
3	713	2024	..	1	..	5232.10	4	.....	..	.....	.....	.....	..	..	....	4.6	2.3	...
4	825	1810	..	1	..	5243.10	4	.....	..	.....	.....	.....	..	..	....	.2	.4	300
5	915	1640	..	1	..	5240.10	4	.....	..	.....	.....	.....	..	..	....	2.6	4.1	245

PHASE 3 CODE : N13D18B1 AREA : 6610 HA
LOCATION : 6-2-44-17-W5 LAT/LONG :

TABLE 78
WATER QUALITY DATA FOR BUSTER CREEK, ROCKY-CLEARWATER FOREST, 1984
APRIL 16, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	416	1200	..	1	..	5093.10	1	1.091	*	.203	.....	.....	..	..	....	19.7	4.6	265
2	501	1555	16	4	1	5092.10	..	.....	..	.069	.....	.....	..	..	....	8.5	1.2	250
3	503	1540	..	4	..	5097.10	4	1.100	..	.083	.....	.....	..	..	....	20.6	1.7	245
4	504	755	16	4	1	5216.10	..	.....	..	.105	.....	.....	..	..	....	9.0	1.5	235
5	504	2355	16	4	1	5217.10	..	.....	..	.105	.....	.....	..	..	....	12.9	1.8	240
6	505	1555	16	4	1	5218.10	..	.....	..	.103	.....	.....	..	..	....	8.1	1.7	240
7	506	755	16	4	1	5219.10	..	.....	..	.129	.....	.....	..	..	....	15.3	3.0	250
8	506	2355	16	4	1	5220.10	..	.....	..	.129	.....	.....	..	..	....	9.7	1.4	240
9	507	1500	..	1	..	5133.10	1	.075	*	.137	.....	.....	..	..	....	2.8	1.0	195
10	507	1555	16	4	1	5090.10	..	.....	..	.108	.....	.....	..	..	....	6.5	1.0	245
11	508	2355	16	4	1	5091.10	..	.....	..	.102	.....	.....	..	..	....	9.7	1.7	245
12	509	1555	16	4	1	5092.10	..	.....	..	.108	.....	.....	..	..	....	8.5	1.2	250
13	510	2355	16	4	1	5094.10	..	.....	..	.094	.....	.....	..	..	....	12.7	3.0	245
14	511	1555	16	4	1	5095.10	..	.....	..	.080	.....	.....	..	..	....	8.0	1.6	250
15	512	2355	16	4	1	5096.10	..	.....	..	.078	.....	.....	..	..	....	7.8	2.7	250
16	513	1555	16	4	1	5098.10	..	.....	..	.091	.....	.....	..	..	....	3.6	1.4	250
17	514	755	16	4	1	5099.10	..	.....	..	.104	.....	.....	..	..	....	8.0	2.0	250
18	514	1420	..	1	..	5045.10	1	.748	*	.143	.....	.....	..	..	....	2.9	1.0	...
19	514	2355	16	4	1	5100.10	..	.....	..	.104	.....	.....	..	..	....	5.8	2.0	250
20	515	1555	16	4	1	5101.10	..	.....	..	.100	.....	.....	..	..	....	6.9	1.5	255
21	516	755	16	4	1	5102.10	..	.....	..	.232	.....	.....	..	..	....	5.6	1.8	255
22	516	2355	16	4	1	5103.10	..	.....	..	.232	.....	.....	..	..	....	40.0	3.9	240
23	517	1555	16	4	1	5104.10	..	.....	..	.428	.....	.....	..	..	....	40.7	4.1	235
24	518	755	16	4	1	5105.10	..	.....	..	.356	.....	.....	..	..	....	23.9	2.7	225
25	518	2355	16	4	1	5106.10	..	.....	..	.356	.....	.....	..	..	....	12.6	1.5	220
26	519	1500	..	1	..	5213.10	4	.888	..	.340	.....	.....	..	..	....	2.1	.8	220
27	519	1555	16	4	1	5107.10	..	.....	..	.292	.....	.....	..	..	....	13.8	1.5	215
28	520	755	16	4	1	5108.10	..	.....	..	.254	.....	.....	..	..	....	10.4	2.3	210
29	520	2355	16	4	1	5109.10	..	.....	..	.254	.....	.....	..	..	....	8.0	1.5	215
30	521	1000	..	1	..	5110.10	4	.856	..	.256	.....	.....	..	..	....	2.2	.4	215
31	521	1555	16	4	1	6138.10	..	.....	..	.221	.....	.....	..	..	....	6.3	1.4	221
32	522	755	16	4	1	6139.10	..	.....	..	.191	.....	.....	..	..	....	5.3	.9	222
33	522	2355	16	4	1	6140.10	..	.....	..	.191	.....	.....	..	..	....	2.0	1.1	223
34	523	1555	16	4	1	6141.10	..	.....	..	.205	.....	.....	..	..	....	4.6	1.2	225
35	524	755	16	4	1	6142.10	..	.....	..	.146	.....	.....	..	..	....	2.6	.9	230
36	524	2355	16	4	1	6143.10	..	.....	..	.146	.....	.....	..	..	....	4.3	1.4	228
37	525	1555	16	4	1	6144.10	..	.....	..	.158	.....	.....	..	..	....	5.8	1.8	229
38	526	2355	16	4	1	6145.10	..	.....	..	.127	.....	.....	..	..	....	5.2	1.1	230
39	527	1140	..	1	..	5053.10	2	.779	*	.167	.....	.....	..	..	....	2.9	.4	...
40	527	1555	16	4	1	6146.10	..	.....	..	.136	.....	.....	..	..	....	7.3	1.8	232
41	528	2355	16	4	1	6147.10	..	.....	..	.146	.....	.....	..	..	....	4.5	1.1	235
42	530	755	16	4	1	6149.10	..	.....	..	.123	.....	.....	..	..	....	8.4	2.1	238
43	530	2355	16	4	1	6150.10	..	.....	..	.123	.....	.....	..	..	....	4.5	1.1	238
44	531	1155	..	1	..	5117.10	2	.799	..	.139	.....	.....	..	..	....	5.3	1.4	228
45	531	1555	16	4	1	6151.10	..	.....	..	.148	.....	.....	..	..	....	5.3	1.4	238
46	601	755	16	4	1	6152.10	..	.....	..	.152	.....	.....	..	..	....	14.3	2.5	253
47	601	2355	16	4	1	6153.10	..	.....	..	.152	.....	.....	..	..	....	7.9	1.4	240
48	602	1555	16	4	1	6154.10	..	.....	..	.132	.....	.....	..	..	....	6.5	1.3	242
49	603	755	16	4	1	6155.10	..	.....	..	.108	.....	.....	..	..	....	6.6	1.2	245

50	603	1200	..	1	..	5054.10	4	.755	*	.109	.....	.....	..	..	....	2.3	.5	...
51	603	2355	16	4	1	6156.10	..	.....	..	.108	.....	.....	..	..	....	11.3	1.6	245
52	604	1200	..	1	..	5124.10	2	.741	*	.068	.....	.....	..	..	....	3.8	.6	242
53	604	1555	16	4	1	6157.10	..	.....	..	.097	.....	.....	..	..	....	11.6	2.1	240
54	605	755	16	4	1	6158.10	..	.....	..	.172	.....	.....	..	..	....	11.2	.5	252
55	605	1130	..	1	..	5127.10	2	.800	*	.176	.....	.....	..	..	....	2.0	.7	242
56	605	1800	10	4	1	6159.10	..	.....	..	.172	.....	.....	..	..	....	4.1	.8	245
57	605	2400	6	4	1	6160.10	..	.....	..	.172	.....	.....	..	..	....	5.9	1.7	248
58	606	600	6	4	1	6161.10	..	.....	..	.259	.....	.....	..	..	....	5.6	1.5	240
59	606	1200	6	4	1	6162.10	..	.....	..	.259	.....	.....	..	..	....	3.2	1.4	245
60	606	1800	6	4	1	6163.10	..	.....	..	.259	.....	.....	..	..	....	2.8	1.1	245
61	607	930	..	1	..	6164.10	4	.862	*	.247	.....	.....	..	..	....	1.6	.6	233
62	608	200	16	4	1	6451.10	..	.....	..	.584	.....	.....	..	..	....	7.0	1.9	235
63	608	1800	16	4	1	6452.10	..	.....	..	.584	.....	.....	..	..	....	26.6	2.3	215
64	609	1000	16	4	1	6453.10	..	.....	..	.887	.....	.....	..	..	....	49.0	1.9	205
65	610	200	16	4	1	6454.10	..	.....	..	.858	.....	.....	..	..	....	44.8	2.0	200
66	610	1210	..	1	..	5069.10	..	1.148	*	1.054	.....	.....	..	..	....	5.3	.5	...
67	611	1000	16	4	1	6456.10	..	.....	..	.691	.....	.....	..	..	....	29.3	3.2	200
68	611	1800	16	4	1	6455.10	..	.....	..	.691	.....	.....	..	..	....	21.4	2.0	200
69	612	200	16	4	1	6457.10	..	.....	..	.540	.....	.....	..	..	....	48.8	5.3	200
70	612	1800	16	4	1	6458.10	..	.....	..	.540	.....	.....	..	..	....	9.9	2.3	205
71	613	1000	16	4	1	6459.10	..	.....	..	.435	.....	.....	..	..	....	5.3	.8	205
72	613	1400	..	1	..	6175.10	4	.966	*	.362	.....	.....	..	..	....	4.6	1.0	185
73	614	200	16	4	1	6460.10	..	.....	..	.350	.....	.....	..	..	....	4.4	1.0	210
74	614	1800	16	4	1	6461.10	..	.....	..	.350	.....	.....	..	..	....	7.2	1.0	210
75	615	1000	16	4	1	6462.10	..	.....	..	.309	.....	.....	..	..	....	1.9	.9	215
76	616	200	16	4	1	6463.10	..	.....	..	.441	.....	.....	..	..	....	6.0	1.4	215
77	616	1800	16	4	1	6464.10	..	.....	..	.441	.....	.....	..	..	....	4.7	1.3	215
78	617	925	..	1	..	5070.10	5	.934	*	.419	.....	.....	..	..	....	3.7	.5	...
79	617	1000	16	4	1	6465.10	..	.....	..	.345	.....	.....	..	..	....	3.1	1.2	215
80	618	200	16	4	1	6466.10	..	.....	..	.282	.....	.....	..	..	....	1.0	.7	220
81	618	1800	16	4	1	6467.10	..	.....	..	.282	.....	.....	..	..	....	.7	.8	225
82	619	1000	16	4	1	6468.10	..	.....	..	.281	.....	.....	..	..	....	1.7	1.0	225
83	620	200	16	4	1	6469.10	..	.....	..	.280	.....	.....	..	..	....	3.3	.5	230
84	620	1800	16	4	1	6470.10	..	.....	..	.280	.....	.....	..	..	....	2.4	.6	230
85	621	1000	16	4	1	6471.10	..	.....	..	.228	.....	.....	..	..	....	3.7	.8	...
86	622	200	16	4	1	6472.10	..	.....	..	.194	.....	.....	..	..	....	3.8	.4	...
87	622	1800	16	4	1	6473.10	..	.....	..	.194	.....	.....	..	..	....	4.2	1.1	...
88	623	1000	16	4	1	6474.10	..	.....	..	.166	.....	.....	..	..	....	3.3	.5	...
89	623	1445	..	1	..	6450.10	..	.821	*	.238	.....	.....	..	..	....	1.4	.5	...
90	624	700	16	4	..	6671.10	..	.....	..	.140	.....	.....	..	..	....	6.1	1.9	...
91	624	2300	16	4	..	6672.10	..	.....	..	.140	.....	.....	..	..	....	6.0	1.6	...
92	625	1500	16	4	..	6673.10	..	.....	..	.117	.....	.....	..	..	....	9.3	2.4	...
93	626	700	16	4	..	6674.10	..	.....	..	.096	.....	.....	..	..	....	5.3	1.5	...
94	626	2300	16	4	..	6675.10	..	.....	..	.096	.....	.....	..	..	....	4.4	1.3	...
95	627	1500	16	4	..	6676.10	..	.....	..	.083	.....	.....	..	..	....	4.2	1.2	...
96	628	700	16	4	..	6677.10	..	.....	..	.072	.....	.....	..	..	....	3.5	1.1	...
97	628	2300	16	4	..	6678.10	..	.....	..	.072	.....	.....	..	..	....	3.0	1.1	...
98	629	1500	16	4	..	6679.10	..	.....	..	.070	.....	.....	..	..	....	9.8	3.1	...
99	629	1555	16	4	1	6148.10	..	.....	..	.....	.....	.....	..	..	....	4.3	1.1	235
100	630	700	16	4	..	6680.10	..	.....	..	.108	.....	.....	..	..	....	4.0	1.2	...
101	630	2300	16	4	..	6681.10	..	.....	..	.108	.....	.....	..	..	....	3.0	1.2	...
102	701	1500	16	4	..	6682.10	..	.....	..	.088	.....	.....	..	..	....	3.5	1.0	...
103	702	700	16	4	..	6683.10	..	.....	..	.074	.....	.....	..	..	....	2.8	1.4	...
104	702	2300	16	4	..	6684.10	..	.....	..	.074	.....	.....	..	..	....	1.8	.9	...
105	703	1230	..	1	..	6511.10	1	.705	*	.067	.....	.....	..	..	....	3.6	.6	...
106	703	1500	16	4	..	6685.10	..	.....	..	.067	.....	.....	..	..	....	1.5	1.1	...
107	706	930	..	1	..	6631.10	4	.660	*	.066	.....	.....	..	..	....	3.7	.6	...
108	708	1650	..	1	..	5085.10	..	.658	*	.066	.....	.....	..	..	....	4.2	.9	280
109	713	900	..	1	..	6670.10	3	.085	*	.025	.....	.....	..	..	....	6.1	1.0	...

110	714	700	16	4	1	6800.10	..	.....	..	.034	.....	.....	..	..	....	7.9	1.3	...
111	714	2300	16	4	1	6801.10	..	.....	..	.034	.....	.....	..	..	....	7.2	1.1	...
112	715	1500	16	4	1	6802.10	..	.....	..	.027	.....	.....	..	..	....	2.7	.6	...
113	716	700	16	4	1	6803.10	..	.....	..	.031	.....	.....	..	..	....	5.0	1.4	...
114	716	1450	..	1	..	7837.10	1	.595	*	.011	.....	.....	..	..	....	4.0	.5	265
115	716	2300	16	4	1	6804.10	..	.....	..	.031	.....	.....	..	..	....	7.3	2.4	...
116	717	1500	16	4	1	6805.10	..	.....	..	.035	.....	.....	..	..	....	6.2	.7	...
117	718	700	16	4	1	6806.10	..	.....	..	.031	.....	.....	..	..	....	4.0	.4	...
118	718	2300	16	4	1	6807.10	..	.....	..	.031	.....	.....	..	..	....	8.5	3.0	...
119	719	1500	16	4	1	6808.10	..	.....	..	.029	.....	.....	..	..	....	11.5	4.3	...
120	720	700	16	4	1	6809.10	..	.....	..	.061	.....	.....	..	..	....	5.5	1.0	...
121	720	1345	..	1	..	6716.10	2	.667	*	.053	.....	.....	..	..	....	3.2	1.6	...
122	720	2300	16	4	1	6810.10	..	.....	..	.061	.....	.....	..	..	....	2.5	.6	...
123	721	1500	16	4	1	6811.10	..	.....	..	.084	.....	.....	..	..	....	3.8	1.0	...
124	722	700	16	4	1	6812.10	..	.....	..	.075	.....	.....	..	..	....	6.9	1.4	...
125	722	2300	16	4	1	6813.10	..	.....	..	.075	.....	.....	..	..	....	3.5	1.4	...
126	723	700	16	4	1	6821.10	..	.....	..	.022	.....	.....	..	..	....	20.5	2.4	...
127	723	1500	16	4	1	6814.10	..	.....	..	.022	.....	.....	..	..	....	3.5	1.0	...
128	724	700	16	4	1	6815.10	..	.....	..	.019	.....	.....	..	..	....	4.3	1.9	...
129	724	1440	..	1	..	7841.10	1	.604	..	.019	.....	.....	..	..	....	4.5	1.3	290
130	724	2300	16	4	1	6816.10	..	.....	..	.019	.....	.....	..	..	....	4.9	2.1	...
131	724	2300	16	4	1	6822.10	..	.....	..	.019	.....	.....	..	..	....	11.4	1.8	...
132	725	1500	16	4	1	6817.10	..	.....	..	.018	.....	.....	..	..	....	8.8	3.7	...
133	725	1500	16	4	1	6823.10	..	.....	..	.018	.....	.....	..	..	....	9.6	2.8	...
134	726	700	16	4	1	6818.10	..	.....	..	.015	.....	.....	..	..	....	12.9	3.2	...
135	726	2300	16	4	1	6819.10	..	.....	..	.015	.....	.....	..	..	....	15.5	2.7	...
136	727	1035	..	1	..	6770.10	2	.591	*	.007	.....	.....	..	..	....	2.2	.5	305
137	727	1500	16	4	1	6820.10	..	.....	..	.017	.....	.....	..	..	....	6.3	1.5	...
138	729	1135	..	1	..	7842.10	1	.565	..	.014	.....	.....	..	..	....	2.3	.6	280
139	730	700	16	4	1	6824.10	..	.....	..	.014	.....	.....	..	..	....	9.5	2.2	...
140	730	2300	16	4	..	7999.10	..	.....	..	.014	.....	.....	..	..	....	50.5	5.1	265
141	731	1500	16	4	..	8000.10	..	.....	..	.013	.....	.....	..	..	....	16.9	3.8	285
142	801	700	16	4	..	8001.10	..	.....	..	.014	.....	.....	..	..	....	19.2	5.0	280
143	801	2300	16	4	..	8002.10	..	.....	..	.014	.....	.....	..	..	....	18.5	5.8	270
144	802	1500	16	4	..	8003.10	..	.....	..	.014	.....	.....	..	..	....	20.0	5.2	270
145	803	700	16	4	..	8004.10	..	.....	..	.014	.....	.....	..	..	....	23.0	7.4	265
146	803	2300	16	4	..	8005.10	..	.....	..	.014	.....	.....	..	..	....	15.8	4.2	255
147	804	1500	16	4	..	8006.10	..	.....	..	.013	.....	.....	..	..	....	18.5	4.3	270
148	805	700	16	4	..	8007.10	..	.....	..	.016	.....	.....	..	..	....	10.5	3.7	270
149	805	2300	16	4	..	8008.10	..	.....	..	.016	.....	.....	..	..	....	17.0	5.2	255
150	806	1500	16	4	..	8009.10	..	.....	..	.015	.....	.....	..	..	....	12.2	2.8	270
151	807	700	16	4	..	8010.10	..	.....	..	.020	.....	.....	..	..	....	9.0	5.3	280
152	807	1335	..	1	..	7843.10	2	.612	..	.020	.....	.....	..	..	....	1.5	.7	280
153	807	2300	16	4	..	8011.10	..	.....	..	.020	.....	.....	..	..	....	6.3	2.7	290
154	808	1500	16	4	..	8012.10	..	.....	..	.025	.....	.....	..	..	....	8.1	3.6	290
155	809	700	16	4	..	8013.10	..	.....	..	.017	.....	.....	..	..	....	5.1	3.3	315
156	809	2300	16	4	..	8014.10	..	.....	..	.017	.....	.....	..	..	....	4.8	2.7	315
157	810	1500	16	4	..	8015.10	..	.....	..	.014	.....	.....	..	..	....	6.9	4.2	325
158	811	700	16	4	..	8016.10	..	.....	..	.016	.....	.....	..	..	....	11.0	7.1	320
159	811	2300	16	4	..	8017.10	..	.....	..	.016	.....	.....	..	..	....	11.8	5.6	310
160	812	1500	16	4	..	8018.10	..	.....	..	.016	.....	.....	..	..	....	6.5	4.2	320
161	813	700	16	4	..	7994.10	..	.....	..	.019	.....	.....	..	..	....	5.0	3.4	305
162	813	2300	16	4	..	7995.10	..	.....	..	.019	.....	.....	..	..	....	7.6	3.1	305
163	814	1500	16	4	..	7996.10	..	.....	..	.026	.....	.....	..	..	....	6.2	4.6	320
164	815	700	16	4	..	7997.10	..	.....	..	.018	.....	.....	..	..	....	4.3	3.8	330
165	815	2300	16	4	..	7998.10	..	.....	..	.018	.....	.....	..	..	....	4.8	3.7	330
166	816	1500	16	4	..	8119.10	..	.....	..	.015	.....	.....	..	..	....	3.0	3.3	325
167	817	200	16	4	..	8120.10	..	.....	..	.015	.....	.....	..	..	....	3.5	3.2	325
168	817	2300	16	4	..	8121.10	..	.....	..	.015	.....	.....	..	..	....	6.4	3.7	330
169	818	1500	16	4	..	8122.10	..	.....	..	.015	.....	.....	..	..	....	6.0	3.5	335

170	819	200	16	4	..	8123.10	..	.....	..	.015	.....	.....	..	..	....	7.5	3.3	340
171	819	2300	16	4	..	8124.10	..	.....	..	.015	.....	.....	..	..	....	5.0	2.7	330
172	820	1500	16	4	..	8125.10	..	.....	..	.018	.....	.....	..	..	....	6.8	3.1	330
173	821	200	16	4	..	8126.10	..	.....	..	.017	.....	.....	..	..	....	4.8	2.4	330
174	821	2300	16	4	..	8127.10	..	.....	..	.017	.....	.....	..	..	....	11.1	7.2	335
175	822	1500	16	4	..	8128.10	..	.....	..	.016	.....	.....	..	..	....	6.9	4.5	330
176	823	200	16	4	..	8129.10	..	.....	..	.016	.....	.....	..	..	....	4.7	3.9	320
177	823	2300	16	4	..	8130.10	..	.....	..	.016	.....	.....	..	..	....	8.4	5.5	310
178	824	1500	16	4	..	8131.10	..	.....	..	.016	.....	.....	..	..	....	14.0	8.2	320
179	825	200	16	4	..	8132.10	..	.....	..	.015	.....	.....	..	..	....	12.0	7.4	310
180	825	2300	16	4	..	8133.10	..	.....	..	.015	.....	.....	..	..	....	15.7	7.5	310
181	826	1500	16	4	..	8134.10	..	.....	..	.015	.....	.....	..	..	....	17.6	8.0	315
182	827	200	16	4	..	8135.10	..	.....	..	.014	.....	.....	..	..	....	6.3	3.3	320
183	827	2300	16	4	..	8136.10	..	.....	..	.014	.....	.....	..	..	....	9.5	4.7	315
184	828	1500	16	4	..	8137.10	..	.....	..	.013	.....	.....	..	..	....	15.9	7.1	325
185	829	2300	32	4	..	8138.10	..	.....	..	.014	.....	.....	..	..	....	7.3	3.8	325
186	830	1500	16	4	..	8139.10	..	.....	..	.013	.....	.....	..	..	....	4.9	3.0	330
187	831	200	16	4	..	8140.10	..	.....	..	.013	.....	.....	..	..	....	3.2	3.0	340
188	901	1500	32	4	..	8141.10	..	.....	..	.013	.....	.....	..	..	....	3.4	2.8	340
189	902	2300	16	4	..	5242.10	..	.....	..	.013	.....	.....	..	..	....	36.5	17.0	340
190	903	1500	16	4	..	5246.10	..	.....	..	.013	.....	.....	..	..	....	10.0	2.7	330
191	908	1100	..	1	..	8147.10	4	.770	*	.141	.....	.....	..	..	....	3.7	2.4	330
192	909	300	16	4	..	5250.10	..	.....	..	.113	.....	.....	..	..	....	19.0	3.8	330
193	909	1900	16	4	..	5254.10	..	.....	..	.113	.....	.....	..	..	....	7.9	2.4	325
194	910	1100	16	4	..	5258.10	..	.....	..	.132	.....	.....	..	..	....	6.7	2.9	310
195	911	300	16	4	..	5262.10	..	.....	..	.271	.....	.....	..	..	....	7.0	2.5	305
196	911	1900	16	4	..	7793.10	..	.....	..	.271	.....	.....	..	..	....	22.7	6.0	295
197	912	1100	16	4	..	7794.10	..	.....	..	.534	.....	.....	..	..	....	17.7	3.5	290
198	912	1120	..	1	..	8178.10	4	1.020	*	.630	.....	.....	..	..	....	1.7	1.4	300
199	913	300	16	4	..	7795.10	..	.....	..	.420	.....	.....	..	..	....	8.8	3.0	280
200	913	1900	16	4	..	7796.10	..	.....	..	.420	.....	.....	..	..	....	7.9	4.2	265
201	914	1100	16	4	..	7797.10	..	.....	..	.363	.....	.....	..	..	....	6.4	2.0	265
202	915	300	16	4	..	7798.10	..	.....	..	.292	.....	.....	..	..	....	12.3	3.8	260
203	915	1900	16	4	..	7799.10	..	.....	..	.292	.....	.....	..	..	....	6.1	2.7	255
204	916	1100	16	4	..	7800.10	..	.....	..	.244	.....	.....	..	..	....	4.6	2.5	260
205	917	300	16	4	..	7801.10	..	.....	..	.208	.....	.....	..	..	....	4.7	1.8	260
206	917	1900	16	4	..	7802.10	..	.....	..	.208	.....	.....	..	..	....	2.9	2.1	260
207	918	1100	16	4	..	7803.10	..	.....	..	.178	.....	.....	..	..	....	3.0	.8	265
208	919	300	16	4	..	7804.10	..	.....	..	.159	.....	.....	..	..	....	3.4	1.5	265
209	919	1900	16	4	..	7805.10	..	.....	..	.159	.....	.....	..	..	....	4.0	2.3	270
210	920	1100	16	4	..	7806.10	..	.....	..	.169	.....	.....	..	..	....	3.4	2.3	275
211	920	1330	..	1	..	8182.10	..	.778	*	.127	.....	.....	..	..	....	3.4	.6	270
212	921	1040	..	1	..	7883.10	2	1.031	*	.687	.....	.....	..	..	....	4.0	1.4	255

PHASE 3 CODE : *H13C12K3* *AREA* : 5800 *HA*
LOCATION : 9-6-41-8-W5 *LAT/LONG* :
RATING CURVE : *FLOW* = 0.767 - 2.751(*STAGE*) + 2.509(*STAGE*)*2
COMMENTS : *STEVENS RECORDER S.N. 82395-77 ISCO SAMPLER S.N.A-2699-12*

TABLE 79
WATER QUALITY DATA FOR CLARK CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 23, 1984 - SEPTEMBER 24, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	523	1130	..	1	..	5111.10	..	.....	..	.....	.....	.....	..	..	....	6.5	16.0	125
2	601	945	..	1	..	5119.10	..	.....	..	.....	.....	.....	..	..	....	4.0	8.4	140
3	611	1500	..	1	..	6169.10	..	.....	..	.....	.....	.....	..	..	....	12.5	24.0	90
4	615	1115	..	1	..	6177.10	..	5.210	*	.260	.....	.....	..	..	....	.9	.6	165
5	618	1515	..	1	..	6446.10	..	5.509	*	.279	.....	.....	..	..	....	2.6	7.1	...
6	620	650	16	4	1	6638.10	..	.....	..	.....	.....	.....	..	..	....	2.8	6.5	...
7	620	1450	..	1	..	6447.10	..	5.506	*	.170	.....	.....	..	..	....	2.3	7.6	...
8	620	2250	16	4	1	6639.10	..	.....	..	.....	.....	.....	..	..	....	3.7	6.6	...
9	621	1450	16	4	1	6640.10	..	.....	..	.....	.....	.....	..	..	....	4.4	6.4	...
10	622	650	16	4	1	6641.10	..	.....	..	.....	.....	.....	..	..	....	3.4	6.1	...
11	622	1100	..	1	..	6448.10	..	5.004	*	.177	.....	.....	..	..	....	2.6	6.6	...
12	622	2350	16	4	1	6642.10	..	.....	..	.....	.....	.....	..	..	....	2.6	5.7	...
13	623	1450	16	4	1	6643.10	..	.....	..	.....	.....	.....	..	..	....	5.6	5.1	...
14	624	650	16	4	1	6644.10	..	.....	..	.....	.....	.....	..	..	....	4.8	4.7	...
15	624	2350	16	4	1	6645.10	..	.....	..	.....	.....	.....	..	..	....	4.8	5.4	...
16	625	1450	16	4	1	6646.10	..	.....	..	.....	.....	.....	..	..	....	6.5	4.4	...
17	626	650	16	4	1	6647.10	..	.....	..	.....	.....	.....	..	..	....	3.0	4.3	...
18	626	2350	16	4	1	6648.10	..	.....	..	.....	.....	.....	..	..	....	3.9	4.2	...
19	627	1335	..	1	..	6477.10	..	5.428	*	.112	.....	.....	..	..	....	3.2	5.3	...
20	627	1450	16	4	1	6649.10	..	.....	..	.....	.....	.....	..	..	....	5.0	5.1	...
21	630	1000	..	1	..	6478.10	4	5.415	*	.096	.....	.....	..	..	....	28.4	22.0	...
22	630	1000	16	4	1	6650.10	..	.....	..	.....	.....	.....	..	..	....	14.0	21.0	...
23	701	200	16	4	1	6651.10	..	.....	..	.....	.....	.....	..	..	....	8.9	11.0	...
24	701	1800	16	4	1	6652.10	..	.....	..	.....	.....	.....	..	..	....	7.2	4.7	...
25	702	1000	16	4	1	6653.10	..	.....	..	.....	.....	.....	..	..	....	5.9	4.2	...
26	703	200	16	4	1	6654.10	..	.....	..	.....	.....	.....	..	..	....	9.5	3.1	...
27	703	1800	16	4	1	6655.10	..	.....	..	.....	.....	.....	..	..	....	2.3	3.1	...
28	704	1000	16	4	1	6656.10	..	.....	..	.....	.....	.....	..	..	....	3.4	3.1	...
29	705	200	16	4	1	6657.10	..	.....	..	.....	.....	.....	..	..	....	.7	2.8	...
30	705	1400	..	1	..	6630.10	1	.....	*	.073	.....	.....	..	..	....	3.1	3.4	...
31	705	1800	16	4	1	6658.10	..	.....	..	.....	.....	.....	..	..	....	1.9	2.7	...
32	706	1000	16	4	1	6659.10	..	.....	..	.....	.....	.....	..	..	....	2.1	2.7	...
33	707	200	16	4	1	6660.10	..	.....	..	.....	.....	.....	..	..	....	2.2	3.2	...
34	707	1800	16	4	1	6661.10	..	.....	..	.....	.....	.....	..	..	....	.2	3.0	...
35	708	1000	16	4	1	6662.10	..	.....	..	.....	.....	.....	..	..	....	1.9	3.2	...
36	708	1330	..	1	..	6635.10	1	5.538	*	.047	.....	.....	..	..	....	1.1	2.7	...
37	709	200	16	4	1	6663.10	..	.....	..	.....	.....	.....	..	..	....	2.6	2.8	...
38	709	1800	16	4	1	6664.10	..	.....	..	.....	.....	.....	..	..	....	1.8	2.6	...
39	710	1000	16	4	1	6665.10	..	.....	..	.....	.....	.....	..	..	....	1.4	2.7	...
40	711	1100	..	1	..	6666.10	4	5.379	*	.043	.....	.....	..	..	....	.4	2.3	...
41	711	1800	16	4	1	6773.10	..	.....	..	.....	.....	.....	..	..	....	4.1	1.8	...
42	712	1000	16	4	1	6774.10	..	.....	..	.....	.....	.....	..	..	....	2.2	1.4	...
43	713	200	16	4	1	6775.10	..	.....	..	.....	.....	.....	..	..	....	6.1	3.2	...
44	713	1800	16	4	1	6776.10	..	.....	..	.....	.....	.....	..	..	....	3.8	1.8	...
45	714	1000	16	4	1	6777.10	..	.....	..	.....	.....	.....	..	..	....	3.4	1.8	...
46	714	1300	..	1	..	6713.10	..	5.379	*	.038	.....	.....	..	..	....	.4	2.7	...
47	714	1500	..	1	..	6714.10	1	6.029	*	.217	.....	.....	..	..	....	1.5	.1	...
48	715	200	16	4	1	6778.10	..	.....	..	.....	.....	.....	..	..	....	3.4	1.5	...
49	715	1800	16	4	1	6779.10	..	.....	..	.....	.....	.....	..	..	....	3.7	1.9	...

50	716	1000	16	4	1	6780.10	..	.....	..	.....	.....	.....	..	..	....	2.5	1.4	...
51	717	200	16	4	1	6781.10	..	.....	..	.....	.....	.....	..	..	....	4.8	1.7	...
52	717	1800	16	4	1	6782.10	..	.....	..	.....	.....	.....	..	..	....	6.0	3.2	...
53	718	1000	16	4	1	6783.10	..	.....	..	.....	.....	.....	..	..	....	2.3	1.0	...
54	719	200	16	4	1	6784.10	..	.....	..	.....	.....	.....	..	..	....	5.8	1.7	...
55	719	1800	16	4	1	6785.10	..	.....	..	.....	.....	.....	..	..	....	2.0	1.7	...
56	720	1000	16	4	1	6786.10	..	.....	..	.....	.....	.....	..	..	....	.7	1.0	...
57	721	200	16	4	1	6787.10	..	.....	..	.....	.....	.....	..	..	....	1.9	1.8	...
58	721	1800	16	4	1	6788.10	..	.....	..	.....	.....	.....	..	..	....	4.4	1.5	...
59	722	930	..	1	..	6739.10	..	5.368	*	.033	.....	.....	..	..	....	.7	2.2	...
60	722	1000	16	4	1	6789.10	..	.....	..	.....	.....	.....	..	..	....	4.2	1.8	...
61	723	200	16	4	1	6790.10	..	.....	..	.....	.....	.....	..	..	....	1.4	1.0	...
62	723	1800	16	4	1	6791.10	..	.....	..	.....	.....	.....	..	..	....	.7	1.0	...
63	724	1000	16	4	1	6792.10	..	.....	..	.....	.....	.....	..	..	....	.9	.9	...
64	725	200	16	4	1	6793.10	..	.....	..	.....	.....	.....	..	..	....	5.3	5.3	105
65	725	1800	16	4	1	6794.10	..	.....	..	.....	.....	.....	..	..	....	6.5	4.6	105
66	726	1000	16	4	1	6795.10	..	.....	..	.....	.....	.....	..	..	....	5.3	3.7	105
67	727	200	16	4	1	6796.10	..	.....	..	.....	.....	.....	..	..	....	6.0	4.6	100
68	727	1800	16	4	1	6797.10	..	.....	..	.....	.....	.....	..	..	....	4.3	4.7	100
69	728	1000	16	4	1	6798.10	..	.....	..	.....	.....	.....	..	..	....	4.3	5.1	100
70	728	1450	..	1	..	6772.10	2	5.380	*	.037	.....	.....	..	..	....	6.2	5.3	105
71	729	200	16	4	1	6879.10	..	.....	..	.....	.....	.....	..	..	....	11.8	5.7	190
72	729	1800	16	4	1	6880.10	..	.....	..	.....	.....	.....	..	..	....	4.1	1.7	195
73	730	1000	16	4	1	6881.10	..	.....	..	.....	.....	.....	..	..	....	4.9	2.0	195
74	731	200	16	4	1	7969.10	..	.....	..	.001	.....	.....	..	..	....	4.2	1.5	200
75	731	1800	16	4	1	7970.10	..	.....	..	.001	.....	.....	..	..	....	4.8	1.7	190
76	801	1000	16	4	1	7971.10	..	.....	..	.001	.....	.....	..	..	....	2.4	.9	195
77	802	1800	16	4	1	7973.10	..	.....	..	.001	.....	.....	..	..	....	3.5	1.6	190
78	803	1000	16	4	1	7974.10	..	.....	..	.001	.....	.....	..	..	....	2.5	1.3	190
79	803	1030	..	1	..	6825.10	..	5.343	*	.027	.....	.....	..	..	....	1.9	1.8	...
80	804	200	16	4	1	7975.10	..	.....	..	.031	.....	.....	..	..	....	2.3	1.5	195
81	804	1800	16	4	1	7976.10	..	.....	..	.031	.....	.....	..	..	....	3.4	1.7	200
82	805	1000	16	4	1	7977.10	..	.....	..	.032	.....	.....	..	..	....	3.7	2.1	200
83	805	1530	..	1	..	6849.10	4	5.344	*	.030	.....	.....	..	..	....	1.3	2.2	...
84	806	200	16	4	5	7978.10	..	.....	..	.027	.....	.....	..	..	....	2.8	1.5	200
85	806	1800	16	4	5	7979.10	..	.....	..	.027	.....	.....	..	..	....	1.2	.9	200
86	807	1000	16	4	5	7980.10	..	.....	..	.024	.....	.....	..	..	....	.7	1.4	200
87	808	200	16	4	5	7981.10	..	.....	..	.021	.....	.....	..	..	....	.9	1.9	200
88	808	1800	16	4	5	7982.10	..	.....	..	.021	.....	.....	..	..	....	1.6	.9	205
89	809	1000	16	4	5	7983.10	..	.....	..	.018	.....	.....	..	..	....	.9	.7	205
90	810	200	16	4	5	7984.10	..	.....	..	.016	.....	.....	..	..	....	.7	.8	210
91	810	1800	16	4	5	7985.10	..	.....	..	.016	.....	.....	..	..	....	.7	.7	210
92	811	1000	16	4	5	7986.10	..	.....	..	.025	.....	.....	..	..	....	2.5	1.5	200
93	812	200	16	4	5	7987.10	..	.....	..	.019	.....	.....	..	..	....	3.0	1.8	205
94	812	1000	..	1	..	6878.10	1	5.334	*	.020	.....	.....	..	..	....	1.0	1.4	205
95	812	1800	16	4	1	7888.10	..	.....	..	.019	.....	.....	..	..	....	.5	1.4	205
96	813	1000	16	4	1	7889.10	..	.....	..	.017	.....	.....	..	..	....	1.6	1.5	210
97	814	200	16	4	1	7890.10	..	.....	..	.018	.....	.....	..	..	....	1.5	.9	205
98	814	1800	16	4	1	7891.10	..	.....	..	.018	.....	.....	..	..	....	2.7	2.0	200
99	815	1000	16	4	1	7892.10	..	.....	..	.017	.....	.....	..	..	....	.2	1.4	205
100	815	1400	..	1	..	7993.10	..	5.331	*	.021	.....	.....	..	..	....	.6	1.5	205
101	816	200	16	4	1	8080.10	..	.....	..	.016	.....	.....	..	..	....	1.8	.8	200
102	816	1800	16	4	1	8081.10	..	.....	..	.016	.....	.....	..	..	....	2.7	1.4	205
103	817	1000	16	4	1	8082.10	..	.....	..	.015	.....	.....	..	..	....	2.5	.8	205
104	818	200	16	4	1	8083.10	..	.....	..	.016	.....	.....	..	..	....	2.8	.7	210
105	818	1800	16	4	1	8084.10	..	.....	..	.016	.....	.....	..	..	....	2.3	.9	210
106	819	1000	16	4	1	8085.10	..	.....	..	.020	.....	.....	..	..	....	2.3	.6	210
107	820	200	16	4	1	8086.10	..	.....	..	.016	.....	.....	..	..	....	2.7	.6	210
108	820	1800	16	4	1	8087.10	..	.....	..	.016	.....	.....	..	..	....	3.0	.6	210
109	821	1000	16	4	1	8088.10	..	.....	..	.017	.....	.....	..	..	....	3.2	.7	210

110	822	200	16	4	1	8089.10	..	.....	..	.017	.....	.....	..	..	....	2.3	.7	210
111	822	1800	16	4	1	8090.10	..	.....	..	.017	.....	.....	..	..	....	1.6	.7	215
112	823	1000	16	4	1	8091.10	..	.....	..	.017	.....	.....	..	..	....	3.0	1.3	215
113	824	200	16	4	1	8092.10	..	.....	..	.017	.....	.....	..	..	....	1.8	.8	215
114	824	1800	16	4	1	8093.10	..	.....	..	.017	.....	.....	..	..	....	2.2	.7	215
115	825	1000	16	4	1	8094.10	..	.....	..	.016	.....	.....	..	..	....	1.6	.8	215
116	826	200	16	4	1	8095.10	..	.....	..	.014	.....	.....	..	..	....	.7	.9	225
117	826	1800	16	4	1	8096.10	..	.....	..	.014	.....	.....	..	..	....	1.1	.7	220
118	827	1000	16	4	1	8097.10	..	.....	..	.015	.....	.....	..	..	....	1.1	.7	220
119	828	200	16	4	1	8098.10	..	.....	..	.016	.....	.....	..	..	....	.5	.8	215
120	828	1800	16	4	1	8099.10	..	.....	..	.016	.....	.....	..	..	....	1.2	.6	220
121	829	1000	16	4	1	8100.10	..	.....	..	.014	.....	.....	..	..	....	1.6	.6	220
122	830	200	16	4	1	8101.10	..	.....	..	.014	.....	.....	..	..	....	1.6	.6	220
123	830	1800	16	4	1	8102.10	..	.....	..	.014	.....	.....	..	..	....	1.8	.6	220
124	831	1000	16	4	1	8103.10	..	.....	..	.013	.....	.....	..	..	....	2.4	.8	220
125	901	200	16	4	1	7826.10	..	.....	..	.013	.....	.....	..	..	....	5.7	2.4	220
126	901	1800	16	4	1	7827.10	..	.....	..	.013	.....	.....	..	..	....	1.6	.5	225
127	902	1000	16	4	1	7828.10	..	.....	..	.012	.....	.....	..	..	....	2.2	.6	220
128	903	200	16	4	1	7829.10	..	.....	..	.009	.....	.....	..	..	....	1.1	.5	225
129	903	1800	16	4	1	7830.10	..	.....	..	.009	.....	.....	..	..	....	.4	.5	225
130	904	1000	16	4	1	7831.10	..	.....	..	.006	.....	.....	..	..	....	.0	.6	225
131	905	200	16	4	1	7832.10	..	.....	..	.007	.....	.....	..	..	....	.9	.5	225
132	905	1800	16	4	1	7833.10	..	.....	..	.007	.....	.....	..	..	....	2.5	1.8	230
133	906	1000	16	4	1	7834.10	..	.....	..	.042	.....	.....	..	..	....	.9	.7	215
134	907	200	16	4	1	7835.10	..	.....	..	.052	.....	.....	..	..	....	5.8	8.3	230
135	907	1045	..	1	..	8145.10	4	5.370	*	.047	.....	.....	..	..	....	3.7	10.0	230
136	907	1800	16	4	1	7836.10	..	.....	..	.052	.....	.....	..	..	....	3.8	4.2	240
137	908	1000	16	4	1	7853.10	..	.....	..	.037	.....	.....	..	..	....	3.8	4.2	230
138	909	200	16	4	1	7854.10	..	.....	..	.031	.....	.....	..	..	....	3.0	3.3	230
139	909	1800	16	4	1	7855.10	..	.....	..	.031	.....	.....	..	..	....	1.4	2.6	225
140	910	1000	16	4	1	7856.10	..	.....	..	.032	.....	.....	..	..	....	1.7	2.7	230
141	911	200	16	4	1	7857.10	..	.....	..	.....	.....	.....	..	..	....	2.7	4.7	210
142	911	1410	..	1	..	8175.10	4	5.363	*	.046	.....	.....	..	..	....	1.2	8.7	205
143	911	1800	16	4	1	7858.10	..	.....	..	.....	.....	.....	..	..	....	2.9	5.6	210
144	912	1000	16	4	1	7859.10	..	.....	..	.....	.....	.....	..	..	....	3.6	13.0	210
145	913	200	16	4	1	7860.10	..	.....	..	.....	.....	.....	..	..	....	6.1	22.0	185
146	913	1800	16	4	1	7861.10	..	.....	..	.....	.....	.....	..	..	....	5.4	19.0	185
147	914	1000	16	4	1	7862.10	..	.....	..	.....	.....	.....	..	..	....	5.8	20.0	170
148	915	200	16	4	1	7863.10	..	.....	..	.....	.....	.....	..	..	....	4.9	18.0	170
149	915	1800	16	4	1	7864.10	..	.....	..	.....	.....	.....	..	..	....	4.9	17.0	170
150	916	1000	16	4	1	7865.10	..	.....	..	.....	.....	.....	..	..	....	5.4	15.0	170
151	917	200	16	4	1	7866.10	..	.....	..	.....	.....	.....	..	..	....	4.0	13.0	170
152	917	1800	16	4	1	7867.10	..	.....	..	.....	.....	.....	..	..	....	4.0	11.0	170
153	918	1000	16	4	1	7868.10	..	.....	..	.....	.....	.....	..	..	....	4.2	7.5	175
154	919	200	16	4	1	7869.10	..	.....	..	.....	.....	.....	..	..	....	3.2	7.3	175
155	919	1800	..	1	..	8180.10	..	5.373	*	.052	.....	.....	..	..	....	1.1	8.0	125
156	924	1300	..	1	..	8190.10	..	5.375	*	.046	.....	.....	..	..	....	.0	8.1	190

PHASE 3 CODE : *N13D18B8* *AREA* : 1000 *HA*
LOCATION : 12-35-43-18-W5 *LAT/LONG* :
RATING CURVE : *FLOW* = -3.673 + 0.693(*STAGE*)
COMMENTS : *STEVENS RECORDER S.N. 79634-77 ISCO SAMPLER S.N. A2699-26*

TABLE 80
WATER QUALITY DATA FOR CLINE CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 3, 1984 - SEPTEMBER 10, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	503	1240	..	1	..	5089.10	1	5.968	*	.043	.....	.....	..	..	....	1.8	.2	420
2	510	1400	..	1	..	5178.10	1	5.996	*	.057	.....	.....	..	..	....	2.6	2.3	300
3	515	1320	..	1	..	5181.10	2	6.031	*	.215	.....	.....	..	..	....	1.9	.5	250
4	515	1445	..	1	..	5182.10	1	6.031	*	.202	.....	.....	..	..	....	1.2	.4	250
5	516	2100	..	1	..	5211.10	3	6.012	*	.160	.....	.....	..	..	....	1.6	.3	360
6	520	1415	..	1	..	5215.10	1	5.995	*	.103	.....	.....	..	..	....	2.0	.2	390
7	529	900	..	1	..	5112.10	4	6.021	*	.165	.....	.....	..	..	....	3.2	.3	340
8	601	1300	..	1	..	5120.10	4	6.040	*	.198	.....	.....	..	..	....	4.4	.5	325
9	602	1645	..	1	..	5123.10	4	6.035	*	.190	.....	.....	..	..	....	2.6	.2	340
10	605	845	..	1	..	5126.10	4	6.560	*	.285	.....	.....	..	..	....	1.3	.2	340
11	606	930	..	1	..	6137.10	..	6.073	*	.359	.....	.....	..	..	....	2.7	.4	320
12	608	2020	..	1	..	6166.10	2	6.131	*	.653	.....	.....	..	..	....	10.7	3.9	282
13	612	1300	..	1	..	6171.10	4	6.165	*	.766	.....	.....	..	..	....	68.9	7.8	285
14	612	2140	..	1	..	6173.10	4	6.218	*	1.600	.....	.....	..	..	....	664.5	140.0	210
15	617	1950	..	1	..	6445.10	4	6.104	*	.670	.....	.....	..	..	....	3.1	1.7	300
16	702	1745	..	1	..	6509.10	4	6.061	*	.337	.....	.....	..	..	....	2.4	2.2	...
17	704	1300	..	1	..	6514.10	1	6.069	*	.313	.....	.....	..	..	....	2.4	.1	...
18	711	1310	..	1	..	6667.10	1	6.306	*	.317	.....	.....	..	..	....	2.4	.3	...
19	721	1320	..	1	..	6738.10	1	6.023	*	.172	.....	.....	..	..	....	.2	.2	...
20	811	920	..	1	..	6876.10	1	6.001	*	.119	.....	.....	..	..	....	.2	.1	385
21	817	945	..	1	..	8020.10	1	5.992	*	.095	.....	.....	..	..	....	1.1	.2	400
22	906	1800	..	1	..	8144.10	3	6.002	*	.284	.....	.....	..	..	....	1.7	.2	385
23	910	1335	..	1	..	8151.10	4	5.982	*	.106	.....	.....	..	..	....	.8	.3	400

PHASE 3 CODE : H13C12A12 AREA : 3087 HA
LOCATION : 12-26-37-18-W5 LAT/LONG :
RATING CURVE : FLOW = 801.782 - 268.687(STAGE) + 22.513(STAGE)*2
COMMENTS : STEVENS RECORDER 79632-77

TABLE 81
WATER QUALITY DATA FOR DRY CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 8, 1984 - SEPTEMBER 20, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	508	1430	..	1	..	5135.10	1	1.380	*	.140	.....	.....	..	..	....	2.9	1.1	250
2	508	2400	6	3	2	5136.10	..	.....	..	.....	.....	.....	..	..	....	3.1	.7	286
3	509	1200	6	3	2	5137.10	..	.....	..	.114	.....	.....	..	..	....	2.8	.7	300
4	509	2400	6	3	2	5138.10	..	.....	..	.114	.....	.....	..	..	....	2.7	.8	290
5	510	2400	6	3	2	5139.10	..	.....	..	.127	.....	.....	..	..	....	1.1	.6	290
6	511	2400	6	3	2	5140.10	..	.....	..	.164	.....	.....	..	..	....	1.9	.6	325
7	512	1200	6	3	2	5141.10	..	.....	..	.245	.....	.....	..	..	....	1.3	.8	325
8	512	2400	6	3	2	5142.10	..	.....	..	.245	.....	.....	..	..	....	1.1	.6	325
9	513	2400	6	3	2	5143.10	..	.....	..	.212	.....	.....	..	..	....	2.7	.6	320
10	514	1200	6	3	2	5144.10	..	.....	..	.174	.....	.....	..	..	....	.5	.9	319
11	514	2400	6	3	2	5145.10	..	.....	..	.174	.....	.....	..	..	....	3.5	.7	330
12	515	1200	6	3	2	5146.10	..	.....	..	.173	.....	.....	..	..	....	.8	.8	325
13	515	2400	6	3	2	5147.10	..	.....	..	.173	.....	.....	..	..	....	6.2	.6	330
14	516	1200	6	3	2	5148.10	..	.....	..	.138	.....	.....	..	..	....	1.1	4.3	320
15	516	2400	6	3	2	5149.10	..	.....	..	.138	.....	.....	..	..	....	36.2	27.0	290
16	517	1200	6	3	2	5150.10	..	.....	..	.033	.....	.....	..	..	....	16.2	18.0	260
17	517	2400	6	3	2	5151.10	..	.....	..	.033	.....	.....	..	..	....	8.1	14.0	265
18	518	2400	6	3	2	5152.10	..	.....	..	.122	.....	.....	..	..	....	3.2	1.2	225
19	519	1200	6	3	2	5153.10	..	.....	..	.167	.....	.....	..	..	....	2.4	1.6	290
20	519	2400	6	3	2	5154.10	..	.....	..	.167	.....	.....	..	..	....	4.7	1.1	298
21	520	1200	6	3	2	5155.10	..	.....	..	.141	.....	.....	..	..	....	3.0	.9	304
22	520	2400	6	3	2	5156.10	..	.....	..	.141	.....	.....	..	..	....	1.1	1.0	300
23	521	1200	6	3	2	5157.10	..	.....	..	.115	.....	.....	..	..	....	1.4	.7	300
24	521	2400	6	3	2	5158.10	..	.....	..	.115	.....	.....	..	..	....	2.7	.5	310
25	522	800	6	3	2	5128.10	..	.....	..	.083	.....	.....	..	..	....	1.3	1.0	320
26	522	1200	6	3	2	5159.10	..	.....	..	.083	.....	.....	..	..	....	1.1	.8	315
27	522	1435	..	1	..	5160.10	4	1.363	*	.120	.....	.....	..	..	....	1.1	1.0	315
28	523	2000	6	3	2	5129.10	..	.....	..	.053	.....	.....	..	..	....	4.3	1.3	320
29	524	800	6	3	2	5130.10	..	.....	..	.031	.....	.....	..	..	....	3.2	.7	320
30	524	2000	6	3	2	5131.10	..	.....	..	.031	.....	.....	..	..	....	1.4	.7	325
31	525	800	6	3	2	5132.10	..	.....	..	.023	.....	.....	..	..	....	.6	.7	325
32	525	2000	6	3	2	6112.10	..	.....	..	.023	.....	.....	..	..	....	2.7	1.1	325
33	526	800	6	3	2	6113.10	..	.....	..	.026	.....	.....	..	..	....	11.8	1.8	330
34	526	2000	6	3	2	6114.10	..	.....	..	.026	.....	.....	..	..	....	6.3	.6	340
35	527	800	6	3	2	6115.10	..	.....	..	.058	.....	.....	..	..	....	3.2	.5	330
36	527	2000	6	3	2	6116.10	..	.....	..	.058	.....	.....	..	..	....	3.5	.9	320
37	528	800	6	3	2	6117.10	..	.....	..	.088	.....	.....	..	..	....	4.9	.9	330
38	528	2000	6	3	2	6118.10	..	.....	..	.088	.....	.....	..	..	....	16.5	1.8	330
39	529	800	6	3	2	6119.10	..	.....	..	.102	.....	.....	..	..	....	5.1	1.8	330
40	529	2000	6	3	2	6120.10	..	.....	..	.102	.....	.....	..	..	....	4.3	1.1	325
41	530	800	6	3	2	6121.10	..	.....	..	.099	.....	.....	..	..	....	3.0	.6	330
42	530	2000	6	3	2	6122.10	..	.....	..	.099	.....	.....	..	..	....	2.2	1.3	335
43	531	800	6	3	2	6123.10	..	.....	..	.191	.....	.....	..	..	....	26.2	1.8	340
44	531	1445	..	1	..	5118.10	2	1.413	*	.204	.....	.....	..	..	26.2	6.0	1.6	310
45	531	2000	6	3	2	6124.10	..	.....	..	.191	.....	.....	..	..	....	4.0	2.1	320
46	601	800	6	3	2	6125.10	..	.....	..	.199	.....	.....	..	..	....	2.4	1.9	315
47	601	2000	6	3	2	6126.10	..	.....	..	.199	.....	.....	..	..	....	4.0	2.4	310
48	602	800	6	3	2	6127.10	..	.....	..	.143	.....	.....	..	..	....	.8	11.0	305
49	602	1000	..	1	..	5121.10	4	1.380	*	.147	.....	.....	..	..	....	3.2	1.2	299

50	602	2000	6	3	2	6128.10	..	.....	..	.143	.....	.....	..	..	....	2.2	16.0	305
51	603	2000	6	3	2	6130.10	..	.....	..	.118	.....	.....	..	..	....	2.2	.7	310
52	603	8000	6	3	2	6129.10	..	.....	..	.118	.....	.....	..	..	....	2.2	.5	309
53	604	800	6	3	2	6131.10	..	.....	..	.106	.....	.....	..	..	....	2.9	.6	319
54	604	2000	6	3	2	6132.10	..	.....	..	.106	.....	.....	..	..	....	2.2	.8	325
55	605	....	..	1	..	6135.10	..	1.461	*	.407	.....	.....	..	..	24.8	19.0	16.0	310
56	605	800	6	3	2	6133.10	..	.....	..	.302	.....	.....	..	..	....	1.6	.6	325
57	605	1500	..	1	..	6136.10	2	1.475	*	.425	.....	.....	..	..	....	13.8	13.0	308
58	605	1900	2	3	2	6398.10	..	.....	..	.302	.....	.....	..	..	....	14.0	7.2	292
59	605	2000	6	3	2	6134.10	..	.....	..	.302	.....	.....	..	..	....	11.6	5.4	311
60	605	2300	2	3	2	6399.10	..	.....	..	.302	.....	.....	..	..	....	16.2	8.4	315
61	606	300	2	3	2	6400.10	..	.....	..	.440	.....	.....	..	..	....	10.8	5.3	300
62	606	700	2	3	2	6401.10	..	.....	..	.440	.....	.....	..	..	....	9.7	5.4	295
63	606	1100	2	3	2	6402.10	..	.....	..	.440	.....	.....	..	..	....	5.9	3.3	289
64	606	1500	2	3	2	6403.10	..	.....	..	.440	.....	.....	..	..	....	1.4	2.1	290
65	606	1900	2	3	2	6404.10	..	.....	..	.440	.....	.....	..	..	....	1.4	1.6	282
66	606	2300	2	3	2	6405.10	..	.....	..	.440	.....	.....	..	..	....	2.2	2.3	290
67	607	300	2	3	2	6406.10	..	.....	..	.392	.....	.....	..	..	....	2.2	1.6	287
68	607	700	2	3	2	6407.10	..	.....	..	.392	.....	.....	..	..	....	1.4	1.8	288
69	607	1100	2	3	2	6408.10	..	.....	..	.392	.....	.....	..	..	....	3.4	1.7	288
70	607	1320	..	1	..	6165.10	4	1.454	*	.384	.....	.....	..	..	3.4	3.6	2.9	218
71	608	120	14	3	2	6409.10	..	.....	..	1.099	.....	.....	..	..	....	19.1	5.1	275
72	609	440	14	3	2	6410.10	..	.....	..	2.505	.....	.....	..	..	....	174.8	91.0	222
73	610	800	14	3	2	6411.10	..	.....	..	1.706	.....	.....	..	..	....	83.8	46.0	198
74	611	1120	14	3	2	6412.10	..	.....	..	.971	.....	.....	..	..	....	21.1	11.0	225
75	612	1440	14	3	2	6413.10	..	.....	..	.679	.....	.....	..	..	....	8.4	1.8	262
76	614	840	14	3	2	6414.10	..	.....	..	.404	.....	.....	..	..	....	5.6	4.6	269
77	614	2220	14	3	2	6415.10	..	.....	..	.404	.....	.....	..	..	....	4.1	3.6	285
78	616	1145	..	1	..	6417.10	4	1.438	*	.322	.....	.....	..	..	56.6	1.2	2.2	309
79	616	1520	14	3	2	6416.10	..	.....	..	.336	.....	.....	..	..	....	1.9	1.9	295
80	617	1400	12	3	2	6687.10	..	.....	..	.327	.....	.....	..	..	....	2.7	1.4	...
81	618	1400	12	3	2	6688.10	..	.....	..	.274	.....	.....	..	..	....	.8	1.1	...
82	619	1400	12	3	2	6689.10	..	.....	..	.284	.....	.....	..	..	....	3.0	1.6	...
83	620	1400	12	3	2	6690.10	..	.....	..	.307	.....	.....	..	..	....	5.8	1.6	...
84	621	1400	12	3	2	6691.10	..	.....	..	.277	.....	.....	..	..	....	2.7	1.6	...
85	622	1400	12	3	2	6692.10	..	.....	..	.240	.....	.....	..	..	....	4.3	1.8	...
86	623	945	..	1	..	6449.10	1	1.417	*	.251	.....	.....	..	..	....	3.4	2.2	...
87	623	1400	12	3	2	6693.10	..	.....	..	.240	.....	.....	..	..	....	6.9	2.2	...
88	624	1400	12	3	2	6694.10	..	.....	..	.202	.....	.....	..	..	....	2.7	1.2	...
89	625	1400	12	3	2	6695.10	..	.....	..	.172	.....	.....	..	..	....	3.5	1.7	...
90	626	1400	12	3	2	6696.10	..	.....	..	.155	.....	.....	..	..	....	4.3	2.2	...
91	627	1400	12	3	2	6697.10	..	.....	..	.141	.....	.....	..	..	....	4.5	2.2	...
92	628	1400	12	3	2	6698.10	..	.....	..	.115	.....	.....	..	..	....	4.6	2.4	...
93	629	1400	12	3	2	6699.10	..	.....	..	.124	.....	.....	..	..	....	3.8	1.8	...
94	630	1400	12	3	2	6700.10	..	.....	..	.167	.....	.....	..	..	....	4.9	1.9	...
95	701	1400	12	3	2	6701.10	..	.....	..	.156	.....	.....	..	..	....	7.1	2.6	...
96	702	1400	12	3	2	6702.10	..	.....	..	.155	.....	.....	..	..	....	3.5	1.4	...
97	703	1000	..	1	..	6510.10	1	1.392	*	.118	.....	.....	..	..	....	2.4	1.9	...
98	703	1400	12	3	2	6703.10	..	.....	..	.161	.....	.....	..	..	....	3.8	1.6	...
99	704	1400	12	3	2	6704.10	..	.....	..	.181	.....	.....	..	..	....	4.0	2.6	...
100	705	1400	12	3	2	6705.10	..	.....	..	.205	.....	.....	..	..	....	5.9	3.3	...
101	706	1400	12	3	2	6706.10	..	.....	..	.209	.....	.....	..	..	....	3.7	1.6	...
102	707	1300	..	1	..	6633.10	2	1.408	*	.165	.....	.....	..	..	....	2.3	1.6	...
103	707	1400	12	3	2	6707.10	..	.....	..	.212	.....	.....	..	..	....	4.5	1.9	...
104	708	1400	12	3	2	6708.10	..	.....	..	.205	.....	.....	..	..	....	2.9	1.9	...
105	709	1400	12	3	2	6709.10	..	.....	..	.206	.....	.....	..	..	....	2.9	1.7	...
106	710	1400	12	3	2	6710.10	..	.....	..	.215	.....	.....	..	..	....	2.2	2.0	...
107	711	1400	12	3	2	6711.10	..	.....	..	.232	.....	.....	..	..	....	3.2	2.1	...
108	712	1400	12	3	2	6850.10	..	.....	..	.252	.....	.....	..	..	....	16.2	3.0	...
109	713	200	12	3	2	6851.10	..	.....	..	.275	.....	.....	..	..	....	7.0	1.1	...

110	713	1230	..	1	..	6686.10	2	1.430	*	.079	.....	.....	..	..	....	4.2	1.9	...
111	715	200	12	3	2	6852.10	..	.....	..	.242	.....	.....	..	..	....	14.9	2.3	...
112	716	200	12	3	2	6853.10	..	.....	..	.216	.....	.....	..	..	....	16.8	2.2	...
113	717	200	12	3	2	6854.10	..	.....	..	.200	.....	.....	..	..	....	14.6	2.9	...
114	718	200	12	3	2	6855.10	..	.....	..	.183	.....	.....	..	..	....	21.1	3.4	...
115	719	200	12	3	2	6856.10	..	.....	..	.126	.....	.....	..	..	....	18.9	3.7	...
116	719	1205	..	1	..	8142.10	1	1.330	*	.050	.....	.....	..	..	5.8	4.3	1.6	415
117	720	200	12	3	2	6857.10	..	.....	..	.059	.....	.....	..	..	....	16.4	3.0	...
118	721	200	12	3	2	6858.10	..	.....	..	.063	.....	.....	..	..	....	8.2	2.6	...
119	722	200	12	3	2	6859.10	..	.....	..	.078	.....	.....	..	..	....	15.6	3.2	...
120	723	200	12	3	2	6860.10	..	.....	..	.146	.....	.....	..	..	....	6.8	1.8	...
121	724	200	12	3	2	6861.10	..	.....	..	.181	.....	.....	..	..	....	8.1	2.1	...
122	725	200	12	3	2	6862.10	..	.....	..	.362	.....	.....	..	..	....	9.1	2.9	...
123	726	200	12	3	2	6863.10	..	.....	..	.444	.....	.....	..	..	....	14.1	3.3	...
124	727	200	12	3	2	6864.10	..	.....	..	.476	.....	.....	..	..	....	8.7	3.1	...
125	728	200	12	3	2	6865.10	..	.....	..	.469	.....	.....	..	..	....	8.7	3.3	...
126	729	200	12	3	2	6866.10	..	.....	..	.512	.....	.....	..	..	....	8.8	2.7	...
127	730	200	12	3	2	6867.10	..	.....	..	.486	.....	.....	..	..	....	8.2	3.3	...
128	731	200	12	3	2	6868.10	..	.....	..	.522	.....	.....	..	..	....	8.7	2.2	...
129	801	200	12	3	2	6869.10	..	.....	..	.528	.....	.....	..	..	....	3.7	1.4	...
130	802	200	12	3	2	6870.10	..	.....	..	.566	.....	.....	..	..	....	10.0	3.1	...
131	803	200	12	3	2	6871.10	..	.....	..	.615	.....	.....	..	..	....	8.4	3.1	...
132	804	200	12	3	2	6872.10	..	.....	..	.594	.....	.....	..	..	....	5.8	2.5	...
133	805	200	12	3	2	6873.10	..	.....	..	.598	.....	.....	..	..	....	6.1	2.6	...
134	806	200	12	3	2	6874.10	..	.....	..	.590	.....	.....	..	..	....	4.3	2.2	...
135	806	2350	12	3	2	8104.10	..	.....	..	.590	.....	.....	..	..	....	23.4	3.1	370
136	807	2350	12	3	2	8105.10	..	.....	..	.378	.....	.....	..	..	....	31.0	8.7	390
137	808	2350	12	3	2	8106.10	..	.....	..	.048	.....	.....	..	..	....	18.1	.8	380
138	809	2350	12	3	2	8107.10	..	.....	..	.045	.....	.....	..	..	....	25.0	1.7	390
139	810	2350	12	3	2	8108.10	..	.....	..	.044	.....	.....	..	..	....	15.3	1.9	380
140	811	2350	12	3	2	8109.10	..	.....	..	.044	.....	.....	..	..	....	36.9	3.8	400
141	812	2350	12	3	2	8110.10	..	.....	..	.052	.....	.....	..	..	....	8.7	1.4	410
142	813	2350	12	3	2	8111.10	..	.....	..	.052	.....	.....	..	..	....	9.2	.8	410
143	814	2350	12	3	2	8112.10	..	.....	..	.047	.....	.....	..	..	....	12.1	1.8	395
144	815	2350	12	3	2	8113.10	..	.....	..	.046	.....	.....	..	..	....	16.1	1.6	395
145	816	2350	12	3	2	8114.10	..	.....	..	.046	.....	.....	..	..	....	23.4	3.0	400
146	817	2350	12	3	2	8115.10	..	.....	..	.045	.....	.....	..	..	....	5.8	1.6	415
147	818	2350	12	3	2	8116.10	..	.....	..	.043	.....	.....	..	..	....	9.6	2.8	400
148	819	2350	12	3	2	8117.10	..	.....	..	.041	.....	.....	..	..	....	.....	.....	...
149	901	1045	..	1	..	8118.10	1	1.316	*	.029	.....	.....	..	..	....	1.2	1.3	460
150	901	2345	12	3	2	7807.10	..	.....	..	.042	.....	.....	..	..	....	16.4	2.9	370
151	902	2345	12	3	2	7808.10	..	.....	..	.043	.....	.....	..	..	....	16.5	2.3	380
152	903	2345	12	3	2	7809.10	..	.....	..	.044	.....	.....	..	..	....	17.6	7.1	420
153	904	2345	12	3	2	7810.10	..	.....	..	.042	.....	.....	..	..	....	15.5	1.9	400
154	905	2345	12	3	2	7811.10	..	.....	..	.044	.....	.....	..	..	....	9.2	1.4	410
155	906	2345	12	3	2	7812.10	..	.....	..	.181	.....	.....	..	..	....	26.1	7.3	390
156	907	2345	12	3	2	7813.10	..	.....	..	.483	.....	.....	..	..	....	14.5	7.3	330
157	908	2345	12	3	2	7814.10	..	.....	..	.189	.....	.....	..	..	....	7.1	2.4	340
158	909	1445	..	1	..	8149.10	2	1.378	*	.159	.....	.....	..	..	120.7	5.9	3.3	355
159	909	2345	12	3	2	7815.10	..	.....	..	.159	.....	.....	..	..	....	6.1	2.8	340
160	910	2345	12	3	2	7816.10	..	.....	..	.179	.....	.....	..	..	....	4.8	1.7	350
161	911	2345	12	3	2	7817.10	..	.....	..	.186	.....	.....	..	..	....	3.9	1.7	350
162	912	2345	12	3	2	7818.10	..	.....	..	.202	.....	.....	..	..	....	4.5	1.9	340
163	913	2345	12	3	2	7819.10	..	.....	..	.238	.....	.....	..	..	....	6.8	3.2	330
164	914	2345	12	3	2	7820.10	..	.....	..	.355	.....	.....	..	..	....	4.5	2.7	310
165	915	2345	12	3	2	7821.10	..	.....	..	.286	.....	.....	..	..	....	5.1	3.2	315
166	916	2345	12	3	2	7822.10	..	.....	..	.197	.....	.....	..	..	....	3.9	2.5	325
167	917	2345	12	3	2	7823.10	..	.....	..	.153	.....	.....	..	..	....	3.5	2.5	340
168	918	2345	12	3	2	7824.10	..	.....	..	.127	.....	.....	..	..	....	3.4	1.4	350
169	919	2345	12	3	2	7825.10	..	.....	..	.110	.....	.....	..	..	....	3.5	2.1	355

170 920 1145 .. 1 .. 8181.10 1 1.360 * .097 .... 30.5 2.1 1.8 370

PHASE 3 CODE : *N13A11E1* *AREA* : 4280 *HA*
LOCATION : 16-4-38-10-W5 *LAT/LONG* :
RATING CURVE : *FLOW* = 18.991 - 29.584(*STAGE*) + 11.535(*STAGE*)*2
COMMENTS : *STEVENS RECORDER S.N.* 107916-83 *ISCO SAMPLER S.N.A2902-23 CURRENT METER ENR* 5

TABLE 82
WATER QUALITY DATA FOR EASY CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 29, 1984 - OCTOBER 4, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	529	1045	..	1	..	5113.10	..	.....	..	.....	.....	.....	..	..	....	.8	9.2	90
2	530	....	..	1	..	5115.10	..	.....	..	.....	.....	.....	..	..	....	10.2	8.6	85
3	602	1400	..	1	..	5122.10	..	.....	..	.....	.....	.....	..	..	....	2.9	10.2	82
4	603	1430	12	3	2	6480.10	..	.....	..	.....	.....	.....	..	..	....	5.9	7.4	...
5	604	1430	12	3	2	6481.10	..	.....	..	.....	.....	.....	..	..	....	3.8	7.1	...
6	605	1430	12	3	2	6482.10	..	.....	..	.....	.....	.....	..	..	....	8.8	11.0	...
7	606	1430	12	3	2	6483.10	..	.....	..	.....	.....	.....	..	..	....	20.5	16.0	...
8	607	1430	12	3	2	6484.10	..	.....	..	.....	.....	.....	..	..	....	30.5	28.0	...
9	608	1430	12	3	2	6485.10	..	.....	..	.....	.....	.....	..	..	....	52.9	39.0	...
10	609	1430	12	3	2	6486.10	..	.....	..	.....	.....	.....	..	..	....	144.5	58.0	...
11	610	1430	12	3	2	6487.10	..	.....	..	.....	.....	.....	..	..	....	71.5	45.0	...
12	611	1430	12	3	2	6488.10	..	.....	..	.....	.....	.....	..	..	....	32.0	37.0	...
13	612	1100	..	1	..	6170.10	..	1.744	*	1.010	.....	.....	..	..	....	12.4	27.0	65
14	612	1430	12	3	2	6489.10	..	.....	..	.....	.....	.....	..	..	....	20.0	36.0	...
15	613	930	..	1	..	6174.10	4	1.255	*	.765	.....	.....	..	..	....	9.9	29.0	55
16	613	1430	12	3	2	6490.10	..	.....	..	.704	.....	.....	..	..	....	17.7	28.0	...
17	614	1430	12	3	2	6491.10	..	.....	..	.603	.....	.....	..	..	....	13.2	23.0	...
18	615	1430	12	3	2	6492.10	..	.....	..	.545	.....	.....	..	..	....	14.5	21.0	...
19	616	1430	12	3	2	6493.10	..	.....	..	.502	.....	.....	..	..	....	5.6	23.0	...
20	617	1330	..	1	..	6444.10	4	1.177	*	.421	.....	.....	..	..	....	2.9	21.0	60
21	617	1430	12	3	2	6494.10	..	.....	..	.452	.....	.....	..	..	....	10.4	17.0	...
22	618	1430	12	3	2	6495.10	..	.....	..	.410	.....	.....	..	..	....	10.9	17.0	...
23	619	1430	12	3	2	6496.10	..	.....	..	.404	.....	.....	..	..	....	9.7	20.0	...
24	620	1430	12	3	2	6497.10	..	.....	..	.369	.....	.....	..	..	....	6.4	15.0	...
25	621	1430	12	3	2	6498.10	..	.....	..	.320	.....	.....	..	..	....	6.8	17.0	...
26	622	1430	12	3	2	6499.10	..	.....	..	.310	.....	.....	..	..	....	5.9	15.0	...
27	623	1430	12	3	2	6500.10	..	.....	..	.300	.....	.....	..	..	....	5.3	14.0	...
28	624	1100	..	1	..	6475.10	4	1.117	*	.252	.....	.....	..	..	....	3.9	18.0	...
29	624	1430	12	3	2	6501.10	..	.....	..	.271	.....	.....	..	..	....	7.8	17.0	...
30	625	1430	12	3	2	6502.10	..	.....	..	.253	.....	.....	..	..	....	8.2	15.0	...
31	626	1430	12	3	2	6503.10	..	.....	..	.241	.....	.....	..	..	....	10.9	14.0	...
32	627	1430	12	3	2	6504.10	..	.....	..	.230	.....	.....	..	..	....	8.4	14.0	...
33	628	1430	12	3	2	6505.10	..	.....	..	.219	.....	.....	..	..	....	12.4	16.0	...
34	629	1430	12	3	2	6506.10	..	.....	..	.214	.....	.....	..	..	....	9.9	18.0	...
35	630	230	12	3	2	6741.10	..	.....	..	.203	.....	.....	..	..	....	10.0	7.7	...
36	630	1300	..	1	..	6479.10	..	1.087	*	.154	.....	.....	..	..	....	4.3	14.0	...
37	701	230	12	3	2	6742.10	..	.....	..	.189	.....	.....	..	..	....	14.7	8.4	...
38	702	230	12	3	2	6743.10	..	.....	..	.179	.....	.....	..	..	....	16.5	9.0	...
39	703	230	12	3	2	6744.10	..	.....	..	.155	.....	.....	..	..	....	16.1	8.0	...
40	704	230	12	3	2	6745.10	..	.....	..	.147	.....	.....	..	..	....	8.6	8.0	...
41	704	940	..	1	..	6513.10	1	1.076	*	.147	.....	.....	..	..	....	2.5	9.6	...
42	705	230	12	3	2	6746.10	..	.....	..	.139	.....	.....	..	..	....	15.4	8.0	...
43	706	230	12	3	2	6747.10	..	.....	..	.156	.....	.....	..	..	....	11.8	7.5	...
44	707	230	12	3	2	6748.10	..	.....	..	.132	.....	.....	..	..	....	8.4	7.0	...
45	707	900	..	1	..	6632.10	4	1.063	*	.200	.....	.....	..	..	....	1.3	9.2	...
46	708	230	12	3	2	6749.10	..	.....	..	.122	.....	.....	..	..	....	9.1	7.7	...
47	709	230	12	3	2	6750.10	..	.....	..	.114	.....	.....	..	..	....	8.0	6.8	...
48	710	230	12	3	2	6751.10	..	.....	..	.104	.....	.....	..	..	....	5.0	6.2	...
49	712	230	12	3	2	6753.10	..	.....	..	.115	.....	.....	..	..	....	3.8	6.0	...

50	712	930	..	1	..	6668.10	4	1.047	*	.096	.....	.....	..	..	....	.2	9.7	...
51	713	230	12	3	2	6754.10	..	.....	..	.123	.....	.....	..	..	....	4.2	6.5	...
52	714	230	12	3	2	6755.10	..	.....	..	.104	.....	.....	..	..	....	2.8	6.2	...
53	715	230	12	3	2	6756.10	..	.....	..	.093	.....	.....	..	..	....	3.5	5.0	...
54	716	230	12	3	2	6757.10	..	.....	..	.089	.....	.....	..	..	....	3.6	4.8	...
55	717	230	12	3	2	6758.10	..	.....	..	.086	.....	.....	..	..	....	1.9	4.3	...
56	718	230	12	3	2	6759.10	..	.....	..	.085	.....	.....	..	..	....	3.8	5.4	...
57	719	230	12	3	2	6760.10	..	.....	..	.080	.....	.....	..	..	....	1.4	1.4	...
58	720	230	12	3	2	6761.10	..	.....	..	.091	.....	.....	..	..	....	.9	.9	...
59	720	930	..	1	..	6715.10	1	1.307	*	.065	.....	.....	..	..	....	.7	6.7	...
60	720	1430	6	3	2	6762.10	..	.....	..	.091	.....	.....	..	..	....	.5	1.4	195
61	721	230	6	3	2	6763.10	..	.....	..	.088	.....	.....	..	..	....	.0	1.0	190
62	721	1430	6	3	2	6764.10	..	.....	..	.088	.....	.....	..	..	....	1.1	1.8	350
63	722	230	6	3	2	6765.10	..	.....	..	.089	.....	.....	..	..	....	1.4	.9	190
64	722	1330	..	1	..	6940.10	..	1.033	*	.074	.....	.....	..	..	....	3.5	4.4	...
65	723	2230	16	3	2	6760.10	..	.....	..	.073	.....	.....	..	..	....	45.4	33.0	190
66	725	630	16	3	2	6767.10	..	.....	..	.062	.....	.....	..	..	....	1.1	.8	190
67	726	1545	..	1	..	6768.10	1	1.019	*	.042	.....	.....	..	..	....	5.6	3.9	110
68	727	630	16	3	2	8051.10	..	.....	..	.060	.....	.....	..	..	....	11.1	5.7	110
69	728	1430	16	3	2	8052.10	..	.....	..	.068	.....	.....	..	..	....	14.6	6.1	110
70	729	2230	16	3	2	8053.10	..	.....	..	.068	.....	.....	..	..	....	8.4	4.8	115
71	731	630	16	3	2	8054.10	..	.....	..	.056	.....	.....	..	..	....	12.6	5.4	120
72	801	1000	12	3	2	8055.10	..	.....	..	.055	.....	.....	..	..	....	7.5	4.7	120
73	802	1000	12	3	2	8056.10	..	.....	..	.055	.....	.....	..	..	....	12.0	5.8	120
74	803	1000	12	3	2	8057.10	..	.....	..	.050	.....	.....	..	..	....	7.1	3.5	120
75	804	1000	12	3	2	8058.10	..	.....	..	.046	.....	.....	..	..	....	9.2	5.3	120
76	805	1000	12	3	2	8059.10	..	.....	..	.047	.....	.....	..	..	....	7.7	4.5	120
77	806	1000	12	3	2	8060.10	..	.....	..	.045	.....	.....	..	..	....	9.6	6.2	120
78	807	1000	12	3	2	8061.10	..	.....	..	.042	.....	.....	..	..	....	5.4	3.9	125
79	808	1000	12	3	2	8062.10	..	.....	..	.035	.....	.....	..	..	....	5.7	3.7	125
80	809	1000	12	3	2	8063.10	..	.....	..	.034	.....	.....	..	..	....	8.0	5.7	125
81	810	1000	12	3	2	8064.10	..	.....	..	.032	.....	.....	..	..	....	4.1	3.3	125
82	811	1000	12	3	2	8065.10	..	.....	..	.029	.....	.....	..	..	....	7.4	4.2	130
83	811	1320	..	1	..	6871.10	1	.987	*	.035	.....	.....	..	..	....	2.9	3.3	125
84	812	200	12	3	2	8066.10	..	.....	..	.027	.....	.....	..	..	....	6.5	3.2	130
85	813	200	12	3	2	8067.10	..	.....	..	.030	.....	.....	..	..	....	8.9	4.7	130
86	814	200	12	3	2	8068.10	..	.....	..	.025	.....	.....	..	..	....	5.4	3.8	130
87	815	200	12	3	2	8069.10	..	.....	..	.024	.....	.....	..	..	....	5.2	3.7	130
88	816	200	12	3	2	8070.10	..	.....	..	.021	.....	.....	..	..	....	3.8	3.0	130
89	817	200	12	3	2	8071.10	..	.....	..	.020	.....	.....	..	..	....	3.9	3.3	135
90	817	1150	..	1	..	8021.10	1	.979	*	.017	.....	.....	..	..	....	3.5	3.2	130
91	818	200	12	3	2	8072.10	..	.....	..	.022	.....	.....	..	..	....	2.4	3.0	135
92	819	200	12	3	2	8073.10	..	.....	..	.019	.....	.....	..	..	....	5.7	4.2	135
93	820	200	12	3	2	8074.10	..	.....	..	.017	.....	.....	..	..	....	2.4	3.1	135
94	821	200	12	3	2	8075.10	..	.....	..	.014	.....	.....	..	..	....	3.8	3.7	135
95	822	200	12	3	2	8076.10	..	.....	..	.012	.....	.....	..	..	....	2.8	3.9	135
96	823	200	12	3	2	8077.10	..	.....	..	.013	.....	.....	..	..	....	4.0	4.2	135
97	824	200	12	3	2	8078.10	..	.....	..	.011	.....	.....	..	..	....	6.3	5.0	135
98	827	1400	12	3	2	7870.10	..	.....	..	.007	.....	.....	..	..	....	9.9	6.7	135
99	828	1400	12	3	2	7871.10	..	.....	..	.008	.....	.....	..	..	....	14.7	7.2	135
100	829	1400	12	3	2	7872.10	..	.....	..	.007	.....	.....	..	..	....	6.7	3.1	135
101	830	1400	12	3	2	7873.10	..	.....	..	.006	.....	.....	..	..	....	8.7	3.1	135
102	831	1400	12	3	2	7874.10	..	.....	..	.009	.....	.....	..	..	....	6.8	2.9	135
103	901	1400	12	3	2	7875.10	..	.....	..	.008	.....	.....	..	..	....	8.5	3.3	135
104	902	1400	12	3	2	7876.10	..	.....	..	.007	.....	.....	..	..	....	5.5	2.6	135
105	903	1400	12	3	2	7877.10	..	.....	..	.005	.....	.....	..	..	....	3.8	2.4	135
106	904	1400	12	3	2	7878.10	..	.....	..	.005	.....	.....	..	..	....	4.1	2.8	140
107	905	1400	12	3	2	7879.10	..	.....	..	.006	.....	.....	..	..	....	9.1	3.8	140
108	906	1400	12	3	2	7880.10	..	.....	..	.170	.....	.....	..	..	....	35.6	22.0	135
109	906	1415	..	1	..	8143.10	2	1.118	*	.363	.....	.....	..	..	....	57.8	33.0	130

110	906	1820	2	3	2	8191.10	..	.....	..	.170	.....	.....	..	..	....	47.9	40.0	125
111	906	2220	2	3	2	8192.10	..	.....	..	.170	.....	.....	..	..	....	50.9	55.0	125
112	907	220	2	3	2	8193.10	..	.....	..	.227	.....	.....	..	..	....	20.6	25.0	125
113	907	620	2	3	2	8194.10	..	.....	..	.227	.....	.....	..	..	....	16.2	25.0	130
114	907	1020	2	3	2	8195.10	..	.....	..	.227	.....	.....	..	..	....	11.0	20.0	130
115	907	1320	..	1	..	8146.10	..	1.078	*	.200	.....	.....	..	..	....	4.5	21.0	130
116	907	1340	2	3	2	8196.10	..	.....	..	.227	.....	.....	..	..	....	6.7	19.0	135
117	908	1340	12	3	2	8197.10	..	.....	..	.145	.....	.....	..	..	....	7.4	15.0	140
118	909	1340	12	3	2	8198.10	..	.....	..	.139	.....	.....	..	..	....	6.3	12.0	140
119	910	1105	..	1	..	8150.10	4	1.050	*	.122	.....	.....	..	..	....	1.8	13.0	135
120	910	1340	12	3	2	8199.10	..	.....	..	.143	.....	.....	..	..	....	5.4	12.0	135
121	911	1340	12	3	2	8200.10	..	.....	..	.140	.....	.....	..	..	....	4.9	6.1	130
122	912	1340	12	3	2	8201.10	..	.....	..	.142	.....	.....	..	..	....	6.7	6.1	130
123	913	1340	12	3	2	8202.10	..	.....	..	.146	.....	.....	..	..	....	7.4	6.7	130
124	914	1340	12	3	2	8203.10	..	.....	..	.157	.....	.....	..	..	....	6.4	6.8	130
125	915	1340	12	3	2	8204.10	..	.....	..	.157	.....	.....	..	..	....	5.2	6.8	125
126	916	1340	12	3	2	8205.10	..	.....	..	.155	.....	.....	..	..	....	5.7	6.9	125
127	917	1340	12	3	2	8206.10	..	.....	..	.153	.....	.....	..	..	....	6.3	5.6	120
128	918	1340	12	3	2	8207.10	..	.....	..	.150	.....	.....	..	..	....	4.7	6.1	120
129	919	1140	..	1	..	8179.10	1	1.047	*	.123	.....	.....	..	..	....	2.6	10.0	120
130	1004	1315	..	..	..	.....	2	1.110	*	.235	.....	.....	..	..	....	.....	.....	...

PHASE 3 CODE : *H13A11E1* *AREA* : 1898 *HA*
LOCATION : 7-25-38-13-W5 *LAT/LONG* :
RATING CURVE : *FLOW* = 4.707 - 10.629(*STAGE*) + 5.961(*STAGE*)*2
COMMENTS : *STEVENS RECORDER S.N.* 107914-83 *ISCO SAMPLER* A2902-19

**** RCSELK84 RCSELK84

TABLE 83
WATER QUALITY DATA FOR ELK RIVER, ROCKY-CLEARWATER FOREST, 1984
JUNE 10, 1984 - JULY 23, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	610	1400	..	1	..	5048.10	4	.618	..	.....	.633	.....	..	..	....	29.3	7.7	190
2	618	1715	..	1	..	5055.10	4	.280	..	.....	.615	.....	..	..	....	10.9	2.1	260
3	625	1320	..	1	..	5059.10	4	.195	..	.....	.286	.....	..	..	....	6.0	.7	300
4	702	1730	..	1	..	5063.10	4	.145	..	.....	.182	.....	..	..	....	2.7	.5	335
5	709	1615	..	1	..	5067.10	4	.103	..	.....	.145	.....	..	..	....	1.4	.6	350
6	723	1415	..	1	..	5071.10	4	.060	..	.....	.087	.....	..	..	....	2.9	.6	170

PHASE 3 CODE : N13A10J1 AREA : 1554 HA
LOCATION : 6-8-36-12-W5 LAT/LONG :

**** RCSGRACE84 RCSGRACE84

TABLE 84
WATER QUALITY DATA FOR GRACE CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 21, 1984 - SEPTEMBER 23, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	521	1740	..	1	..	5050.10	4	.455	..	.....	.563	.....	..	..	....	2.7	.5	...
2	603	1355	..	1	..	5057.10	..	.374	..	.....	.440	.....	..	..	....	9.9	.6	...
3	609	1745	..	1	..	5062.10	..	.820	..	.....	.820	.....	..	..	....	8.5	.5	...
4	618	1015	..	1	..	5073.10	1	.550	..	.....	.820	.....	..	..	....	3.9	.5	...
5	702	1355	..	1	..	5082.10	1	.335	..	.....	.498	.....	..	..	....	3.1	.6	...
6	709	1030	..	1	..	5045.10	1	.265	..	.....	.265	.....	..	..	....	3.9	1.0	210
7	723	1110	..	1	..	7838.10	1	.255	..	.....	.325	.....	..	..	....	4.5	.8	250
8	807	1425	..	1	..	7844.10	1	.182	..	.....	.205	.....	..	..	....	1.0	.8	250
9	813	1450	..	1	..	7847.10	..	.193	..	.....	.255	.....	..	..	....	11.0	4.0	250
10	908	1220	..	1	..	7848.10	4	.395	..	.....	.452	.....	..	..	....	4.5	2.2	295
11	913	1245	..	1	..	7905.10	4	.455	..	.....	.....	.....	..	..	....	1.8	1.0	275
12	921	1205	..	..	..	8184.10	..	.....	..	.....	.....	.....	..	..	....	2.1	.7	225
13	921	1205	..	..	..	8185.10	..	.....	..	.....	.....	.....	..	..	....	25.9	28.0	230
14	923	1120	..	1	..	7852.10	..	.705	..	.....	.705	.....	..	..	....	4.2	.8	180

PHASE 3 CODE : N13C16A5 AREA : 10899 HA
LOCATION : 4-26-41-10-W5 LAT/LONG :

TABLE 85
WATER QUALITY DATA FOR INDIAN CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 7, 1984 - SEPTEMBER 21, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCOM	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	507	1600	..	1	..	5134.13	..	1.105	*	.376	.....	.....	..	..	....	2.6	.6	150
2	507	1600	..	1	..	5134.14	..	1.105	*	.376	.....	.....	..	..	....	2.6	.5	150
3	511	1225	..	1	..	5179.13	1	1.079	*	.255	.....	.....	..	..	....	2.2	.6	150
4	511	1225	..	1	..	5179.14	1	1.079	*	.255	.....	.....	..	..	....	2.2	.6	150
5	514	1611	..	1	..	5180.13	1	1.075	*	.244	.....	.....	..	..	....	2.8	.6	150
6	514	1611	..	1	..	5180.14	1	1.075	*	.244	.....	.....	..	..	....	1.1	.6	160
7	520	915	..	1	..	5214.10	4	1.144	*	.541	.....	.....	..	..	....	.4	.5	190
8	521	1650	..	1	..	5046.10	1	1.118	..	.303	.....	.....	..	..	....	2.2	.3	...
9	531	900	..	1	..	5116.10	2	1.077	*	.247	.....	.....	..	..	....	4.4	1.3	195
10	603	1435	..	1	..	5061.10	4	1.046	..	.122	.....	.....	..	..	....	1.8	.3	...
11	604	1440	..	1	..	5125.10	4	1.048	*	.153	.....	.....	..	..	....	.6	.5	212
12	609	1825	..	1	..	5066.10	..	.....	..	1.107	.....	.....	..	..	....	23.2	14.0	...
13	611	850	..	1	..	6167.10	4	1.261	*	1.304	.....	.....	..	..	....	5.0	1.3	160
14	612	1545	..	1	..	6172.10	4	.....	..	.563	.....	.....	..	..	....	2.2	.6	160
15	614	1400	..	1	..	6176.10	4	1.149	*	.573	.....	.....	..	..	....	4.7	17.0	100
16	618	1045	..	1	..	5077.10	..	1.168	..	.405	.....	.....	..	..	....	2.2	.4	...
17	626	1410	..	1	..	6476.10	4	1.085	*	.285	.....	.....	..	..	....	2.9	.4	...
18	701	1145	..	1	..	6507.10	4	1.070	*	.232	.....	.....	..	..	....	2.0	.4	...
19	702	1510	..	1	..	5078.10	1	1.055	..	.145	.....	.....	..	..	....	1.3	.4	...
20	703	1430	..	1	..	6512.10	4	1.035	*	.107	.....	.....	..	..	....	2.5	.5	...
21	709	1110	..	1	..	5049.10	1	1.013	..	.072	.....	.....	..	..	....	3.7	.5	250
22	712	1315	..	1	..	6669.10	4	1.002	*	.051	.....	.....	..	..	....	.8	.8	...
23	723	1150	..	1	..	7840.10	1	.996	..	.048	.....	.....	..	..	....	3.6	.6	300
24	727	915	..	1	..	6769.10	4	.977	*	.015	.....	.....	..	..	....	3.0	5.0	110
25	813	1415	..	1	..	7849.10	1	.995	..	.051	.....	.....	..	..	....	1.7	2.4	335
26	816	1325	..	1	..	8019.10	..	.979	*	.018	.....	.....	..	..	....	2.6	1.7	340
27	827	1405	..	1	..	8079.10	1	1.010	..	.000	.....	.....	..	..	....	2.3	1.7	370
28	908	1150	..	1	..	7846.10	4	1.116	..	.280	.....	.....	..	..	....	2.4	2.3	335
29	908	1150	..	1	..	8148.10	4	1.116	*	.348	.....	.....	..	..	....	3.9	2.0	235
30	912	930	..	1	..	8176.14	4	1.148	*	.464	.....	.....	..	..	....	6.3	4.4	245
31	912	930	..	1	..	8177.13	4	1.148	*	.464	.....	.....	..	..	....	6.9	4.1	245
32	913	1115	..	1	..	7901.13	4	.....	..	.372	.....	.....	..	..	....	41.7	7.3	240
33	913	1115	..	1	..	7902.14	4	.....	..	.372	.....	.....	..	..	....	2.1	1.0	235
34	913	1145	..	1	..	7903.14	4	1.140	..	.372	.....	.....	..	..	....	8.9	5.0	235
35	921	1240	..	1	..	8188.13	2	1.217	*	.883	.....	.....	..	..	....	8.6	4.0	210
36	921	1240	..	1	..	8189.14	2	1.217	*	.883	.....	.....	..	..	....	17.6	17.0	215

PHASE 3 CODE : 113C16B2 AREA : 7700 HA
LOCATION : 11-5-43-10-W5 LAT/LONG :
RATING CURVE : FLOW = 10.735 - 22.819(STAGE) + 12.136(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 107915-83

**** RCSMOOSE84 RCSMOOSE84

TABLE 86
WATER QUALITY DATA FOR MOOSE CREEK, ROCKY-CLEARWATER FOREST, 1984
JULY 11, 1984 - JULY 11, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	711	1100	..	1	..	6636.00	..	.....	..	.....	.....	.....	..	..	....	4.0	2.2	...

PHASE 3 CODE :
LOCATION :
AREA : HA
LAT/LONG :

**** RCSOTTER84 RCSOTTER84

TABLE 87
WATER QUALITY DATA FOR OTTER CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 28, 1984 - SEPTEMBER 4, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	528	1345	..	1	..	5047.10	2	.152	..	.....	.....	.....	..	..	....	4.5	1.5	110
2	603	1215	..	1	..	5051.10	1	.148	..	.....	.155	.....	..	..	....	2.0	.8	110
3	611	1500	..	1	..	5052.10	4	.292	..	.....	.305	.....	..	..	....	10.7	11.0	80
4	618	1430	..	1	..	5056.10	4	.209	..	.....	.292	.....	..	..	....	11.2	7.2	90
5	626	1050	..	1	..	5060.10	4	.186	..	.....	.219	.....	..	..	....	4.2	.5	100
6	703	1015	..	1	..	5064.10	4	.162	..	.....	.182	.....	..	..	....	2.8	4.1	130
7	709	1825	..	1	..	5068.10	4	.155	..	.....	.167	.....	..	..	....	.7	2.7	110
8	723	1910	..	1	..	5072.10	4	.136	..	.....	.185	.....	..	..	....	12.0	2.0	130
9	731	927	..	1	..	5075.10	4	.127	..	.....	.133	.....	..	..	....	.6	1.5	130
10	807	1015	..	1	..	5076.10	4	.121	..	.....	.164	.....	..	..	....	2.7	1.4	135
11	813	1530	..	1	..	5079.10	4	.113	..	.....	.130	.....	..	..	....	.6	.6	135
12	828	1010	..	1	..	5080.10	..	.105	..	.....	.....	.....	..	..	....	.0	.8	140
13	904	1010	..	1	..	5083.10	1	.096	..	.....	.096	.....	..	..	....	5.6	1.0	145

PHASE 3 CODE : N13B22B1
LOCATION : 3-17-37-14-W5
AREA : 4245 HA
LAT/LONG :

**** RCSPHILIP84 RCSPHILIP84

TABLE 88
WATER QUALITY DATA FOR PHILIP CREEK, ROCKY-CLEARWATER FOREST, 1984
JUNE 10, 1984 - SEPTEMBER 15, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	610	1100	..	1	..	5223.10	4	.350	..	.....	.350	.....	..	..	....	53.0	43.0	...
2	615	1500	..	1	..	5084.10	2	.....	..	.....	.....	.....	..	..	....	57.2	32.0	250
3	615	1915	..	1	..	5228.10	1	.285	..	.....	.350	.....	..	..	....	8.9	24.0	...
4	714	1610	..	1	..	5235.10	4	.170	..	.....	.320	.....	..	..	....	3.4	6.7	...
5	722	1120	..	1	..	5236.10	4	.158	..	.....	.170	.....	..	..	....	2.2	5.6	...
6	809	1855	..	1	..	5239.10	4	.095	..	.....	.135	.....	..	..	....	2.0	3.5	150
7	826	1200	..	1	..	5247.10	4	.064	..	.....	.075	.....	..	..	....	1.2	2.7	150
8	915	1930	..	1	..	5244.10	4	.175	..	.....	.250	.....	..	..	....	1.7	18.0	150

PHASE 3 CODE : N13B22C2 AREA : 1550 HA
LOCATION : 10-15-38-14-W5 LAT/LONG :

**** RCSVETCH84 RCSVETCH84

TABLE 89
WATER QUALITY DATA FOR VETCH CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 11, 1984 - SEPTEMBER 16, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	511	1045	..	1	..	5221.10	1	.178	..	.....	.....	.....	..	..	....	1.4	.3	330
2	517	1500	..	1	..	5212.10	1	.....	..	.....	.....	.....	..	..	....	7.6	2.8	345
3	517	1645	..	1	..	5225.10	4	.253	..	.....	.300	.....	..	..	....	2.2	.4	330
4	525	1630	..	1	..	5229.10	1	.294	..	.....	.328	.....	..	..	....	2.7	.2	365
5	531	1600	..	1	..	5233.10	4	.330	..	.....	.349	.....	..	..	....	4.1	.4	315
6	607	1645	..	1	..	5237.10	1	.338	..	.....	.381	.....	..	..	....	2.9	.3	320
7	614	1730	..	1	..	5241.10	1	.368	..	.....	.495	.....	..	..	....	3.3	.4	310
8	621	1730	..	1	..	5245.10	1	.350	..	.....	.368	.....	..	..	....	1.8	.3	340
9	628	1830	..	1	..	5249.10	1	.324	..	.....	.360	.....	..	..	....	3.5	.3	360
10	705	1715	..	1	..	5253.10	1	.307	..	.....	.324	.....	..	..	....	2.3	.3	370
11	712	1630	..	1	..	5257.10	1	.300	..	.....	.452	.....	..	..	....	4.0	.9	370
12	719	1700	..	1	..	5261.10	1	.267	..	.....	.302	.....	..	..	....	3.5	.4	390
13	813	1700	..	1	..	5222.10	1	.255	..	.....	.457	.....	..	..	....	2.7	.3	400
14	820	1700	..	1	..	5226.10	1	.244	..	.....	.293	.....	..	..	....	3.2	.5	420
15	830	1430	..	1	..	5230.10	1	.241	..	.....	.275	.....	..	..	....	1.7	.3	430
16	907	1810	..	1	..	5234.10	4	.359	..	.....	.440	.....	..	..	....	4.5	.6	320
17	916	1530	..	1	..	5238.10	1	.300	..	.....	.338	.....	..	..	....	1.5	.4	370

PHASE 3 CODE : N13A11C4 AREA : 3222 HA
LOCATION : 11-27-37-9-W5 LAT/LONG :

TABLE 90
WATER QUALITY DATA FOR WAWA CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 9, 1984 - SEPTEMBER 19, 1984

	DATE	TIME	SI HR	TY	NI	NUMBER	FCON	STAGE M	AC	FLOW CMS	PEAK M	PFLOW CMS	STEMP °C	ATEMP °C	PREC MM	CONC MG/L	TURB JTU	COND UMHO
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	509	1115	..	1	..	5177.10	1	1.480	*	.436	.....	.....	..	..	....	4.8	2.7	210
2	509	1800	6	4	1	5183.10	..	.....	..	.....	.....	.....	..	..	....	6.9	1.0	200
3	509	2400	6	4	1	5184.10	..	.....	..	.....	.....	.....	..	..	....	2.8	1.8	210
4	510	1200	6	4	1	5185.10	..	.....	..	.465	.....	.....	..	..	....	.3	1.3	220
5	510	1800	6	4	1	5186.10	..	.....	..	.465	.....	.....	..	..	....	2.5	1.8	220
6	510	2400	6	4	1	5187.10	..	.....	..	.465	.....	.....	..	..	....	2.5	1.7	210
7	511	600	6	4	1	5188.10	..	.....	..	.439	.....	.....	..	..	....	2.2	1.5	210
8	511	1200	6	4	1	5189.10	..	.....	..	.439	.....	.....	..	..	....	1.1	1.5	220
9	511	1800	6	4	1	5190.10	..	.....	..	.439	.....	.....	..	..	....	2.5	1.5	230
10	511	2400	6	4	1	5191.10	..	.....	..	.439	.....	.....	..	..	....	3.3	2.2	220
11	512	1200	6	4	1	5192.10	..	.....	..	.448	.....	.....	..	..	....	4.6	2.0	225
12	512	1800	6	4	1	5193.10	..	.....	..	.448	.....	.....	..	..	....	2.5	1.9	225
13	513	1200	6	4	1	5194.10	..	.....	..	.449	.....	.....	..	..	....	6.0	2.0	225
14	513	1800	6	4	1	5195.10	..	.....	..	.449	.....	.....	..	..	....	7.0	1.8	250
15	513	2400	6	4	1	5196.10	..	.....	..	.449	.....	.....	..	..	....	3.0	2.8	250
16	514	1200	6	4	1	5197.10	..	.....	..	.407	.....	.....	..	..	....	4.7	1.9	255
17	514	1800	6	4	1	5198.10	..	.....	..	.407	.....	.....	..	..	....	11.8	1.7	250
18	514	2400	6	4	1	5199.10	..	.....	..	.407	.....	.....	..	..	....	4.7	2.4	265
19	515	600	6	4	1	5200.10	..	.....	..	.433	.....	.....	..	..	....	4.3	2.7	260
20	515	1200	6	4	1	5201.10	..	.....	..	.433	.....	.....	..	..	....	4.1	2.7	250
21	515	1800	6	4	1	5202.10	..	.....	..	.433	.....	.....	..	..	....	6.0	2.2	260
22	515	2400	6	4	1	5203.10	..	.....	..	.433	.....	.....	..	..	....	52.3	30.0	240
23	516	600	6	4	1	5204.10	..	.....	..	1.261	.....	.....	..	..	....	16.4	3.6	260
24	516	1045	..	1	..	5206.10	2	1.536	*	1.066	.....	.....	..	..	....	45.1	27.0	255
25	516	1200	6	4	1	5205.10	..	.....	..	1.261	.....	.....	..	..	....	68.5	30.0	240
26	516	1200	..	1	..	5207.10	2	1.549	*	1.150	.....	.....	..	..	....	43.0	35.0	255
27	516	1315	..	1	..	5208.10	2	1.564	*	1.330	.....	.....	..	..	....	177.8	37.0	260
28	516	1545	..	1	..	5209.10	2	1.597	*	1.635	.....	.....	..	..	....	141.4	63.0	235
29	516	1645	..	1	..	5210.10	2	1.612	*	1.812	.....	.....	..	..	....	70.6	70.0	250
30	517	400	12	4	1	6090.10	..	.....	..	2.371	.....	.....	..	..	....	221.9	75.0	210
31	517	1600	12	4	1	6091.10	..	.....	..	2.371	.....	.....	..	..	....	67.6	37.0	200
32	518	1600	12	4	1	6092.10	..	.....	..	1.460	.....	.....	..	..	....	17.3	14.0	200
33	519	400	12	4	1	6093.10	..	.....	..	.979	.....	.....	..	..	....	14.4	12.0	200
34	519	1600	12	4	1	6094.10	..	.....	..	.979	.....	.....	..	..	....	12.6	4.4	210
35	520	400	12	4	1	6095.10	..	.....	..	.730	.....	.....	..	..	....	10.8	4.3	210
36	520	1600	12	4	1	6096.10	..	.....	..	.730	.....	.....	..	..	....	12.1	4.2	215
37	521	1600	12	4	1	6097.10	..	.....	..	.578	.....	.....	..	..	....	19.1	7.2	225
38	522	400	12	4	1	6098.10	..	.....	..	.482	.....	.....	..	..	....	11.1	3.3	230
39	522	1600	12	4	1	6099.10	..	.....	..	.482	.....	.....	..	..	....	11.8	5.2	230
40	523	400	12	4	1	6100.10	..	.....	..	.447	.....	.....	..	..	....	39.2	5.1	245
41	523	1600	12	4	1	6101.10	..	.....	..	.447	.....	.....	..	..	....	10.8	2.4	245
42	524	400	12	4	1	6102.10	..	.....	..	.418	.....	.....	..	..	....	4.9	1.9	240
43	524	1600	12	4	1	6103.10	..	.....	..	.418	.....	.....	..	..	....	6.4	2.7	245
44	525	1600	12	4	1	6104.10	..	.....	..	.319	.....	.....	..	..	....	1.6	2.5	250
45	526	1600	12	4	1	6105.10	..	.....	..	.333	.....	.....	..	..	....	8.1	1.9	250
46	527	400	12	4	1	6106.10	..	.....	..	.418	.....	.....	..	..	....	4.6	2.7	250
47	527	1600	12	4	1	6107.10	..	.....	..	.418	.....	.....	..	..	....	5.8	1.7	250
48	528	1600	12	4	1	6108.10	..	.....	..	.381	.....	.....	..	..	....	4.6	2.2	250
49	529	400	12	4	1	6109.10	..	.....	..	.294	.....	.....	..	..	....	5.7	1.8	260

50	529	1600	12	4	1	6110.10	..	.....	..	.294	.....	.....	..	..	....	8.6	2.0	265			
51	530	400	12	4	1	6111.10	..	.....	..	.271	.....	.....	..	..	....	4.7	2.3	265			
52	530	1100	..	1	..	5114.10	4	1.461	..	.271	.....	.....	..	..	....	1.9	1.6	260			
53	531	400	16	4	1	6418.10	..	.....	..	.363	.....	.....	..	..	....	10.1	2.6	255			
54	531	2000	16	4	1	6419.10	..	.....	..	.363	.....	.....	..	..	....	10.9	4.2	255			
55	601	1200	16	4	1	6420.10	..	.....	..	.327	.....	.....	..	..	....	4.6	2.0	255			
56	602	....	32	4	1	6421.10	..	.....	..	.260	.....	.....	..	..	....	5.6	1.8	260			
57	603	1200	16	4	1	6422.10	..	.....	..	.225	.....	.....	..	..	....	5.7	1.9	260			
58	604	400	16	4	1	6423.10	..	.....	..	.204	.....	.....	..	..	....	5.3	1.9	270			
59	604	2000	16	4	1	6424.10	..	.....	..	.204	.....	.....	..	..	....	197.8	1.4	270			
60	605	1200	16	4	1	6425.10	..	.....	..	.385	.....	.....	..	..	....	6.2	1.7	260			
61	606	400	16	4	1	6426.10	..	.....	..	1.435	.....	.....	..	..	....	9.7	3.4	250			
62	606	2000	16	4	1	6427.10	..	.....	..	1.435	.....	.....	..	..	....	56.8	29.0	220			
63	607	1200	16	4	1	6428.10	..	.....	..	1.504	.....	.....	..	..	....	27.0	17.0	200			
64	608	400	16	4	1	6429.10	..	.....	..	2.357	.....	.....	..	..	....	23.8	16.0	205			
65	608	2000	16	4	1	6430.10	..	.....	..	2.357	.....	.....	..	..	....	128.7	53.0	185			
66	609	1200	16	4	1	6431.10	..	.....	..	4.273	.....	.....	..	..	....	134.6	77.0	175			
67	610	400	16	4	1	6432.10	..	.....	..	3.768	.....	.....	..	..	....	286.8	94.0	160			
68	610	2000	16	4	1	6433.10	..	.....	..	3.768	.....	.....	..	..	....	91.4	42.0	170			
69	611	1200	..	1	..	6168.10	4	1.648	*	2.282	.....	.....	..	..	....	35.5	22.0	160			
70	611	1200	16	4	1	6434.10	..	.....	..	2.108	.....	.....	..	..	....	41.6	23.0	170			
71	612	400	16	4	1	6435.10	..	.....	..	1.522	.....	.....	..	..	....	20.8	17.0	180			
72	612	2000	16	4	1	6436.10	..	.....	..	1.522	.....	.....	..	..	....	15.8	16.0	190			
73	613	1200	16	4	1	6437.10	..	.....	..	1.149	.....	.....	..	..	....	8.9	12.0	195			
74	614	400	16	4	1	6438.10	..	.....	..	.890	.....	.....	..	..	....	8.9	6.8	175			
75	614	2000	16	4	1	6139.10	..	.....	..	.890	.....	.....	..	..	....	10.3	6.4	180			
76	615	1200	16	4	1	6440.10	..	.....	..	.777	.....	.....	..	..	....	7.0	5.6	185			
77	616	400	16	4	1	6441.10	..	.....	..	.741	.....	.....	..	..	....	7.3	5.2	195			
78	616	2000	16	4	1	6442.10	..	.....	..	.741	.....	.....	..	..	....	6.6	5.0	200			
79	617	1000	..	1	..	6443.10	4	1.521	*	.765	.....	.....	..	..	....	4.9	5.4	200			
80	617	1200	16	4	1	6515.10	..	.....	..	.719	.....	.....	..	..	....	6.1	2.0	...			
81	618	2000	16	4	1	6517.10	..	.....	..	.634	.....	.....	..	..	....	6.5	2.3	...			
82	619	1200	16	4	1	6518.10	..	.....	..	.748	.....	.....	..	..	....	5.6	2.2	...			
83	620	2000	16	4	1	6520.10	..	.....	..	.768	.....	.....	..	..	....	1.6	.6	...			
84	622	2000	16	4	1	6523.10	..	.....	..	.524	.....	.....	..	..	....	3.5	1.4	...			
85	624	400	16	4	1	6525.10	..	.....	..	.375	.....	.....	..	..	....	4.3	1.7	...			
86	624	2000	16	4	1	6526.10	..	.....	..	.375	.....	.....	..	..	....	10.1	3.4	...			
87	625	1200	16	4	1	6627.10	..	.....	..	.321	.....	.....	..	..	....	5.5	1.4	...			
88	626	400	16	4	1	6528.10	..	.....	..	.270	.....	.....	..	..	....	7.4	1.5	...			
89	626	2000	16	4	1	6529.10	..	.....	..	.270	.....	.....	..	..	....	6.3	1.7	...			
90	627	400	16	4	1	6619.10	..	.....	..	.241	.....	.....	..	..	....	7.7	1.9	...			
91	627	1200	16	4	1	6618.10	..	.....	..	.241	.....	.....	..	..	....	24.5	4.1	...			
92	628	2000	16	4	1	6620.10	..	.....	..	.214	.....	.....	..	..	....	7.9	1.4	...			
93	629	1200	16	4	1	6621.10	..	.....	..	.189	.....	.....	..	..	....	4.1	1.6	...			
94	630	2000	16	4	1	6623.10	..	.....	..	.173	.....	.....	..	..	....	6.4	1.9	...			
95	701	1200	16	4	1	6624.10	..	.....	..	.137	.....	.....	..	..	....	6.0	1.9	...			
96	702	400	16	4	1	6625.10	..	.....	..	.109	.....	.....	..	..	....	9.6	1.9	...			
97	702	1550	..	1	..	6508.10	4	1.429	*	.193	.....	.....	..	..	....	3.3	1.4	...			
98	702	2000	16	4	1	6626.10	..	.....	..	.109	.....	.....	..	..	....	8.5	1.4	...			
99	703	1200	16	4	1	6627.10	..	.....	..	.097	.....	.....	..	..	....	7.3	1.2	...			
100	704	400	16	4	1	6628.10	..	.....	..	.100	.....	.....	..	..	....	8.6	1.9	...			
101	704	2000	16	4	1	6629.10	..	.....	..	.100	.....	.....	..	..	....	8.1	1.7	...			
102	706	400	16	4	1	6719.10	..	.....	..	.173	.....	.....	..	..	....	9.2	1.4	...			
103	706	2000	16	4	1	6720.10	..	.....	..	.173	.....	.....	..	..	....	18.9	2.1	...			
104	707	1200	16	4	1	6721.10	..	.....	..	.205	.....	.....	..	..	....	18.6	6.5	...			
105	708	400	16	4	1	6722.10	..	.....	..	.160	.....	.....	..	..	....	11.4	2.1	...			
106	708	1100	..	1	..	6634.10	4	1.428	*	.155	.....	.....	..	..	....	3.5	1.8	...			
107	708	2000	16	4	1	6723.10	..	.....	..	.160	.....	.....	..	..	....	17.4	5.8	...			
108	709	1200	16	4	1	6724.10	..	.....	..	.140	.....	.....	..	..	....	3.8	1.2	...			
109	710	400	16	4	1	6725.10	..	.....	..	.141	.....	.....	..	..	....	11.2	3.8	...			

110	710	2000	16	4	1	6726.10	..	.....	..	.141	.....	.....	..	..	....	6.5	1.8	...
111	711	1200	16	4	1	6727.10	..	.....	..	.129	.....	.....	..	..	....	4.3	2.3	...
112	712	400	16	4	1	6728.10	..	.....	..	.163	.....	.....	..	..	....	4.9	1.8	...
113	712	2000	16	4	1	6729.10	..	.....	..	.163	.....	.....	..	..	....	1.9	1.8	...
114	713	1200	16	4	1	6730.10	..	.....	..	.381	.....	.....	..	..	....	3.5	1.7	...
115	714	400	16	4	1	6731.10	..	.....	..	.288	.....	.....	..	..	....	2.5	1.4	...
116	714	1100	..	1	..	6712.10	4	1.457	*	.210	.....	.....	..	..	....	2.8	2.9	...
117	714	2000	16	4	1	6732.10	..	.....	..	.288	.....	.....	..	..	....	3.4	1.8	...
118	715	1200	16	4	1	6733.10	..	.....	..	.282	.....	.....	..	..	....	2.7	1.8	...
119	716	400	16	4	1	6734.10	..	.....	..	.324	.....	.....	..	..	....	4.8	1.8	...
120	716	2000	16	4	1	6735.10	..	.....	..	.324	.....	.....	..	..	....	18.6	4.3	...
121	717	1200	16	4	1	6736.10	..	.....	..	.314	.....	.....	..	..	....	2.9	1.3	...
122	718	400	16	4	1	6737.10	..	.....	..	.309	.....	.....	..	..	....	10.0	2.1	...
123	718	2000	16	4	1	6826.10	..	.....	..	.309	.....	.....	..	..	....	10.8	3.6	...
124	719	1200	16	4	1	6827.10	..	.....	..	.298	.....	.....	..	..	....	2.7	.8	...
125	720	400	16	4	1	6828.10	..	.....	..	.375	.....	.....	..	..	....	5.3	.8	...
126	720	2000	16	4	1	6829.10	..	.....	..	.375	.....	.....	..	..	....	18.9	2.5	...
127	721	....	..	1	..	6718.10	..	1.434	..	.337	.....	.....	..	..	....	6.7	3.6	...
128	721	1200	16	4	1	6830.10	..	.....	..	.337	.....	.....	..	..	....	7.5	1.3	...
129	722	400	16	4	1	6831.10	..	.....	..	.086	.....	.....	..	..	....	13.2	4.2	...
130	722	2000	16	4	1	6832.10	..	.....	..	.086	.....	.....	..	..	....	9.7	2.8	...
131	723	1200	16	4	1	6833.10	..	.....	..	.047	.....	.....	..	..	....	7.7	1.3	...
132	724	400	16	4	1	6834.10	..	.....	..	.022	.....	.....	..	..	....	4.7	1.0	...
133	724	2000	16	4	1	6835.10	..	.....	..	.022	.....	.....	..	..	....	3.7	1.0	...
134	725	1200	16	4	1	6836.10	..	.....	..	.005	.....	.....	..	..	....	11.1	3.9	...
135	726	400	16	4	1	6837.10	..	.....	..	.008	.....	.....	..	..	....	4.7	1.0	...
136	726	2000	16	4	1	6838.10	..	.....	..	.008	.....	.....	..	..	....	7.8	2.4	...
137	727	1200	16	4	1	6839.10	..	.....	..	.050	.....	.....	..	..	....	18.6	9.3	...
138	728	400	16	4	1	6840.10	..	.....	..	.020	.....	.....	..	..	....	7.7	2.6	...
139	728	1230	..	1	..	6771.10	4	1.386	*	.091	.....	.....	..	..	....	3.2	.7	285
140	728	2000	16	4	1	6841.10	..	.....	..	.020	.....	.....	..	..	....	21.7	3.3	...
141	729	1200	16	4	1	6842.10	..	.....	..	.038	.....	.....	..	..	....	9.2	3.0	...
142	730	400	16	4	1	6843.10	..	.....	..	.024	.....	.....	..	..	....	5.3	1.8	...
143	730	2000	16	4	1	6844.10	..	.....	..	.024	.....	.....	..	..	....	5.0	1.0	...
144	731	1200	16	4	1	6845.10	..	.....	..	.022	.....	.....	..	..	....	15.2	3.8	...
145	801	400	16	4	1	6846.10	..	.....	..	.049	.....	.....	..	..	....	20.0	4.3	...
146	801	2000	16	4	1	6847.10	..	.....	..	.049	.....	.....	..	..	....	6.6	1.7	...
147	805	1320	..	1	..	6848.10	4	1.376	*	.071	.....	.....	..	..	....	1.5	1.4	...
148	805	2000	16	4	1	8023.10	..	.....	..	.125	.....	.....	..	..	....	4.0	.6	350
149	806	1200	16	4	1	8024.10	..	.....	..	.001	.....	.....	..	..	....	3.9	.9	350
150	807	400	16	4	1	8025.10	..	.....	..	.018	.....	.....	..	..	....	4.0	.8	350
151	807	2000	16	4	1	8026.10	..	.....	..	.018	.....	.....	..	..	....	5.1	1.6	360
152	808	1200	16	4	1	8027.10	..	.....	..	.042	.....	.....	..	..	....	4.5	2.1	360
153	809	400	16	4	1	8028.10	..	.....	..	.088	.....	.....	..	..	....	5.8	1.3	370
154	809	2000	16	4	1	8029.10	..	.....	..	.088	.....	.....	..	..	....	8.4	4.3	365
155	810	1200	16	4	1	8030.10	..	.....	..	.124	.....	.....	..	..	....	8.8	2.5	370
156	811	400	16	4	1	8031.10	..	.....	..	.416	.....	.....	..	..	....	9.4	3.2	355
157	811	2000	16	4	1	8032.10	..	.....	..	.416	.....	.....	..	..	....	55.0	1.8	325
158	812	1200	16	4	1	8033.10	..	.....	..	.405	.....	.....	..	..	....	6.2	2.7	330
159	813	400	16	4	1	8034.10	..	.....	..	.319	.....	.....	..	..	....	9.2	3.5	340
160	813	2000	16	4	1	8035.10	..	.....	..	.319	.....	.....	..	..	....	5.3	1.7	350
161	814	1200	16	4	1	8036.10	..	.....	..	.395	.....	.....	..	..	....	7.3	2.3	350
162	815	400	16	4	1	8037.10	..	.....	..	.412	.....	.....	..	..	....	10.5	2.6	350
163	815	2000	16	4	1	8038.10	..	.....	..	.412	.....	.....	..	..	....	5.3	1.5	360
164	816	1200	16	4	1	8039.10	..	.....	..	.352	.....	.....	..	..	....	6.3	1.9	360
165	817	400	16	4	1	8040.10	..	.....	..	.233	.....	.....	..	..	....	11.0	2.7	360
166	817	2000	16	4	1	8041.10	..	.....	..	.233	.....	.....	..	..	....	6.6	2.0	360
167	818	1200	16	4	1	8042.10	..	.....	..	.055	.....	.....	..	..	....	7.1	2.2	370
168	819	400	16	4	1	8043.10	..	.....	..	.062	.....	.....	..	..	....	10.1	3.3	380
169	819	1310	..	1	..	8022.10	1	1.408	*	.092	.....	.....	..	..	....	3.1	2.2	190

170	819	2000	16	4	1	8044.10	..	.....	..	.062	.....	.....	..	..	....	6.1	1.8	380
171	820	1200	16	4	1	8045.10	..	.....	..	.072	.....	.....	..	..	....	8.4	2.3	380
172	821	400	16	4	1	8046.10	..	.....	..	.123	.....	.....	..	..	....	14.2	2.6	385
173	821	2000	16	4	1	8047.10	..	.....	..	.123	.....	.....	..	..	....	8.0	1.9	385
174	822	1200	16	4	1	8048.10	..	.....	..	.133	.....	.....	..	..	....	11.3	2.4	385
175	823	400	16	4	1	8049.10	..	.....	..	.176	.....	.....	..	..	....	33.2	7.6	385
176	823	2000	16	4	1	8050.10	..	.....	..	.176	.....	.....	..	..	....	8.8	2.3	390
177	827	400	16	4	1	8152.10	..	.....	..	.085	.....	.....	..	..	....	46.8	4.7	360
178	827	2000	16	4	1	8153.10	..	.....	..	.085	.....	.....	..	..	....	9.7	1.8	370
179	828	1200	16	4	1	8154.10	..	.....	..	.229	.....	.....	..	..	....	13.0	3.9	375
180	829	400	16	4	1	8155.10	..	.....	..	.323	.....	.....	..	..	....	10.0	1.5	375
181	829	2000	16	4	1	8156.10	..	.....	..	.323	.....	.....	..	..	....	7.1	2.0	370
182	830	1200	16	4	1	8157.10	..	.....	..	.532	.....	.....	..	..	....	8.6	1.9	370
183	831	400	16	4	1	8158.10	..	.....	..	.869	.....	.....	..	..	....	20.0	5.2	380
184	831	2000	16	4	1	8159.10	..	.....	..	.869	.....	.....	..	..	....	7.3	2.1	380
185	901	1200	16	4	1	8160.10	..	.....	..	1.285	.....	.....	..	..	....	10.4	2.2	380
186	902	2000	16	4	1	8161.10	..	.....	..	1.491	.....	.....	..	..	....	6.8	2.1	380
187	903	1200	16	4	1	8162.10	..	.....	..	1.588	.....	.....	..	..	....	10.6	3.2	380
188	904	400	16	4	1	8163.10	..	.....	..	2.053	.....	.....	..	..	....	6.0	1.0	390
189	904	2000	16	4	1	8164.10	..	.....	..	2.053	.....	.....	..	..	....	5.5	1.7	390
190	905	1200	16	4	1	8165.10	..	.....	..	2.350	.....	.....	..	..	....	14.4	4.7	390
191	906	400	16	4	1	8166.10	..	.....	..	3.400	.....	.....	..	..	....	14.1	6.8	390
192	906	2000	16	4	1	8167.10	..	.....	..	3.400	.....	.....	..	..	....	12.2	3.3	370
193	907	1200	16	4	1	8168.10	..	.....	..	4.925	.....	.....	..	..	....	17.2	8.4	340
194	908	400	16	4	1	8169.10	..	.....	..	3.880	.....	.....	..	..	....	7.9	2.8	340
195	908	2000	16	4	1	8170.10	..	.....	..	3.880	.....	.....	..	..	....	5.1	1.6	340
196	909	1200	16	4	1	8171.10	..	.....	..	3.534	.....	.....	..	..	....	3.5	2.0	350
197	910	400	16	4	1	8172.10	..	.....	..	3.500	.....	.....	..	..	....	8.5	2.6	355
198	910	2000	16	4	1	8174.10	..	.....	..	3.500	.....	.....	..	..	....	4.4	2.3	355
199	911	1200	16	4	1	8208.10	..	.....	..	4.730	.....	.....	..	..	....	5.1	.8	345
200	912	400	16	4	1	8209.10	..	.....	..	5.397	.....	.....	..	..	....	6.9	2.7	325
201	912	2000	16	4	1	8210.10	..	.....	..	5.397	.....	.....	..	..	....	10.0	2.8	315
202	913	1200	16	4	1	8211.10	..	.....	..	4.976	.....	.....	..	..	....	4.3	1.6	315
203	914	400	16	4	1	8212.10	..	.....	..	4.565	.....	.....	..	..	....	7.1	2.9	300
204	914	2000	16	4	1	8213.10	..	.....	..	4.565	.....	.....	..	..	....	2.4	1.4	300
205	916	400	32	4	1	8214.10	..	.....	..	3.968	.....	.....	..	..	....	2.4	1.4	315
206	916	2000	16	4	1	8215.10	..	.....	..	3.968	.....	.....	..	..	....	2.9	1.7	320
207	917	1200	16	4	1	8216.10	..	.....	..	4.039	.....	.....	..	..	....	5.9	1.4	320
208	918	400	16	4	1	8217.10	..	.....	..	4.040	.....	.....	..	..	....	3.3	1.3	320
209	918	2000	16	4	1	8218.10	..	.....	..	4.040	.....	.....	..	..	....	4.6	1.3	330
210	919	1200	16	4	1	8219.10	..	.....	..	4.115	.....	.....	..	..	....	5.3	1.5	335

PHASE 3 CODE : *N13D15E1* *AREA* : 6281 *HA*
LOCATION : 12-16-43-15-W5 *LAT/LONG* :
RATING CURVE : *FLOW* = 43.446 - 65.054(*STAGE*) + 24.341(*STAGE*)*2
COMMENTS : *STEVENS RECORDER S.N.* 107917-83 *ISCO SAMPLER A2572-40*

TABLE 91

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR BEAVER MINES CREEK WEST, BOW/CROW FOREST, 1984
MAY 7, 1984 - JULY 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.415	.113	....	....	....
2	....	.334	.105	....	....	....
3	....	.253	.096	....	....	....
4	....	.172	.087	....	....	....
5	....	.153	.073	....	....	....
6	....	.134	.060	....	....	....
7	.051	.192	.061	....	....	....
8	.116	.185	.062	....	....	....
9	.180	.177	.046	....	....	....
10	.226	.171	.031	....	....	....
11	.157	.165	.032	....	....	....
12	.089	.223	.034	....	....	....
13	.089	.281	.035	....	....	....
14	.889	.289	.000	....	....	....
15	1.690	.298	.000	....	....	....
16	.690	.316	.025	....	....	....
17	.552	.334	....	....	....	....
18	.222	.352	....	....	....	....
19	.220	.347	....	....	....	....
20	.219	.341	....	....	....	....
21	.218	.336	....	....	....	....
22	.207	.401	....	....	....	....
23	.196	.465	....	....	....	....
24	.181	.351	....	....	....	....
25	.166	.236	....	....	....	....
26	.151	.239	....	....	....	....
27	.123	.242	....	....	....	....
28	.095	.246	....	....	....	....
29	.175	.202	....	....	....	....
30	.255	.158	....	....	....	....
31	.335		....	....		....
MEAN	.....	.267	.....	.....	.....	.....
MAX.	.....	.465	.....	.....	.....	.....
MIN.	.....	.134	.....	.....	.....	.....
DAM3	647	692	74	.....	.....	.....

TOTAL SEASONAL FLOW = 1413 DAM3 = 346 AREA MM
MEAN DAILY DISCHARGE = .230 CMS
MAX DAILY DISCHARGE = 1.690 CMS MAX INST FLOW = 1.067 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .025 CMS

DRAINAGE AREA: 409 HA LOCATION: 3-11-5-3-W5
PHASE 3 CODE : H6C11C1
RATING CURVE : FLOW = 43.457 x STAGE*3.058
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 92

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR BEEHIVE CREEK, BOW/CROW FOREST, 1984
JUNE 17, 1984 - SEPTEMBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.341	.120	.039	....
2	....	....	.334	.121	.041	....
3	....	....	.326	.121	.041	....
4	....	....	.319	.094	.041	....
5	....	....	.297	.067	.041	....
6	....	....	.276	.065	.041	....
7	....	....	.254	.063	.041	....
8	....	....	.233	.063	.042	....
9	....	....	.211	.062	.042	....
10	....	....	.190	.062	.043	....
11	....	....	.168	.061	.043	....
12	....	....	.164	.061	.044	....
13	....	....	.161	.061	.000	....
14	....	....	.157	.060	.000	....
15	....	....	.154	.060	.000	....
16	....	....	.150	.058	.037	....
17	....	.475	.147	.056	....	....
18	....	.441	.143	.054	....	....
19	....	.407	.140	.053	....	....
20	....	.372	.137	.051	....	....
21	....	.338	.134	.049	....	....
22	....	.317	.131	.047	....	....
23	....	.295	.128	.049	....	....
24	....	.274	.125	.051	....	....
25	....	.252	.121	.053	....	....
26	....	.271	.118	.055	....	....
27	....	.290	.119	.047	....	....
28	....	.310	.119	.040	....	....
29	....	.329	.119	.033	....	....
30	....	.348	.120	.035	....	....
31	....		.120	.037		....
MEAN	.....	.....	.182	.062	.....	.....
MAX.	.....	.....	.341	.121	.....	.....
MIN.	.....	.....	.118	.033	.....	.....
DAM3	.....	408	489	165	46	.....

TOTAL SEASONAL FLOW = 1107 DAM3 = 142 AREA MM
MEAN DAILY DISCHARGE = .139 CMS
MAX DAILY DISCHARGE = .475 CMS MAX INST FLOW = .435 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .037 CMS

DRAINAGE AREA: 780 HA LOCATION: 12-2-13-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 78.713 × STAGE*3.914
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 93

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR CACHE CREEK, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.732	1.342	.456	.142	....
2	....	.405	1.136	.450	.132	....
3	....	.443	.929	.444	.132	....
4	....	.481	.723	.463	.132	....
5	....	.604	.736	.481	.132	....
6	....	.726	.749	.461	.132	....
7	....	1.038	.763	.440	.133	....
8	.064	1.399	.776	.427	.136	....
9	.057	1.445	.789	.413	.139	....
10	.049	1.492	.802	.400	.143	....
11	.045	1.427	.815	.387	.146	....
12	.041	1.363	.786	.373	.149	....
13	.108	1.537	.756	.360	.000	....
14	.175	1.711	.727	.346	.000	....
15	.219	1.886	.697	.333	.000	....
16	.308	2.060	.667	.314	.130	....
17	.398	2.234	.638	.296	....	....
18	.487	2.099	.608	.277	....	....
19	.576	1.965	.594	.259	....	....
20	.441	1.830	.579	.240	....	....
21	.305	1.696	.565	.222	....	....
22	.170	1.644	.551	.203	....	....
23	.189	1.592	.536	.199	....	....
24	.208	1.616	.522	.195	....	....
25	.227	1.639	.508	.191	....	....
26	.246	1.621	.493	.186	....	....
27	.244	1.603	.487	.182	....	....
28	.242	1.585	.481	.178	....	....
29	.240	1.567	.475	.173	....	....
30	1.649	1.549	.469	.163	....	....
31	3.058		.462	.153		....
MEAN	.....	1.466	.683	.312	.....	.....
MAX.	.....	2.234	1.342	.481	.....	.....
MIN.	.....	.405	.462	.153	.....	.....
DAM3	842	3801	1828	835	154	.....

TOTAL SEASONAL FLOW = 7460 DAM3 = 322 AREA MM
MEAN DAILY DISCHARGE = .654 CMS
MAX DAILY DISCHARGE = 3.058 CMS MAX INST FLOW = 3.823 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .130 CMS

DRAINAGE AREA: 2320 HA LOCATION: 5-2-13-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 53.016 × STAGE*4.372
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 94

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR CARBONDALE CREEK, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 9, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	3.249	1.340	.369	.000	....
2	....	2.747	1.235	.376	.000	....
3	....	2.244	1.129	.384	.000	....
4	....	1.741	1.051	.391	.000	....
5	....	1.828	.901	.398	.000	....
6	.733	1.915	.902	.406	.000	....
7	.828	2.002	.904	.413	.000	....
8	.922	2.077	.901	.420	.000	....
9	1.017	2.151	.909	.391	.673	....
10	1.042	2.226	.917	.361	....	....
11	1.068	2.297	.925	.332	....	....
12	1.093	2.369	.933	.302	....	....
13	1.650	2.440	.941	.273	....	....
14	2.063	2.535	.949	.243	....	....
15	2.524	2.630	.957	.275	....	....
16	2.985	2.725	.895	.307	....	....
17	2.527	2.630	.833	.339	....	....
18	2.069	2.536	.772	.370	....	....
19	2.251	2.441	.710	.402	....	....
20	2.432	2.347	.649	.434	....	....
21	2.614	2.370	.587	.466	....	....
22	2.418	2.393	.526	.498	....	....
23	2.222	2.416	.533	.530	....	....
24	2.326	2.264	.540	.561	....	....
25	2.431	2.113	.548	.593	....	....
26	2.536	1.961	.555	.625	....	....
27	2.641	1.809	.562	.657	....	....
28	2.861	1.658	.524	.000	....	....
29	3.081	1.552	.485	.000	....	....
30	3.301	1.446	.446	.000	....	....
31	3.275		.408	.000		....
MEAN	.....	2.237	.789	.359	.....	.....
MAX.	.....	3.249	1.340	.657	.....	.....
MIN.	.....	1.446	.408	.000	.....	.....
DAM3	4744	5798	2114	960	58	.....

TOTAL SEASONAL FLOW = 13675 DAM3 = 379 AREA MM
MEAN DAILY DISCHARGE = 1.246 CMS
MAX DAILY DISCHARGE = 3.301 CMS MAX INST FLOW = 4.061 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .243 CMS

DRAINAGE AREA: 3604 HA LOCATION: 8-34-5-4-W5
PHASE 3 CODE : H16C12C3
RATING CURVE : FLOW = 10.647 × STAGE*1.642
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 95

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SOUTH CASTLE HEADWATERS, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 18, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	4.335	1.185	.081	.036	....
2	....	3.789	1.117	.067	.039	....
3	....	3.243	1.048	.067	.042	....
4	....	2.697	.979	.068	.043	....
5	....	2.152	.911	.068	.044	....
6	....	1.606	.842	.068	.045	....
7	....	1.600	.773	.069	.046	....
8	.213	1.595	.715	.069	.047	....
9	.250	1.589	.657	.069	.048	....
10	.286	1.584	.598	.070	.049	....
11	.323	1.578	.540	.070	.051	....
12	.355	1.572	.481	.070	.050	....
13	.386	1.567	.423	.071	.050	....
14	.633	1.561	.364	.071	.050	....
15	.880	1.556	.306	.071	.050	....
16	1.127	1.550	.247	.068	.051	....
17	1.373	1.544	.189	.064	.052	....
18	1.620	1.530	.187	.060	.054	....
19	1.867	1.517	.184	.056	....	....
20	1.628	1.503	.182	.053	....	....
21	1.388	1.489	.180	.049	....	....
22	1.148	1.475	.178	.045	....	....
23	.909	1.461	.175	.041	....	....
24	.669	1.447	.173	.038	....	....
25	1.271	1.433	.171	.034	....	....
26	1.872	1.419	.168	.030	....	....
27	2.474	1.405	.154	.026	....	....
28	3.075	1.391	.139	.023	....	....
29	3.677	1.322	.125	.026	....	....
30	4.279	1.254	.110	.029	....	....
31	4.880		.096	.032		....
MEAN	.....	1.792	.439	.056	.....	.....
MAX.	.....	4.335	1.185	.081	.....	.....
MIN.	.....	1.254	.096	.023	.....	.....
DAM3	3161	4645	1175	149	73	.....

TOTAL SEASONAL FLOW = 9203 DAM3 = 506 AREA MM
MEAN DAILY DISCHARGE = .795 CMS
MAX DAILY DISCHARGE = 4.880 CMS MAX INST FLOW = 6.100 CMS
MIN DAILY DISCHARGE = .023 CMS MIN INST FLOW = .023 CMS

DRAINAGE AREA: 1818 HA LOCATION: 7-12-3-2-W5
PHASE 3 CODE : H16C11C4
RATING CURVE : FLOW = 17.887 × STAGE*3.345
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 96

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DAISY CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.786	.508	.369	.303	....
2	....	.739	.467	.362	.305	....
3	.367	.707	.425	.355	.304	....
4	.376	.676	.384	.358	.303	....
5	.385	.615	.393	.361	.302	....
6	.395	.555	.403	.361	.301	....
7	.389	.533	.412	.361	.300	....
8	.383	.591	.421	.360	.306	....
9	.412	.717	.431	.358	.313	....
10	.440	.842	.440	.356	.319	....
11	.463	.960	.449	.355	.326	....
12	.485	1.078	.447	.353	.332	....
13	.558	1.026	.445	.351	.000	....
14	.630	.973	.443	.350	.000	....
15	.788	.921	.441	.348	.000	....
16	.993	.868	.439	.343	.307	....
17	1.197	.816	.437	.338	....	....
18	.948	.808	.435	.334	....	....
19	.913	.801	.432	.329	....	....
20	.879	.793	.429	.324	....	....
21	.894	.786	.425	.319	....	....
22	.909	.778	.422	.315	....	....
23	.901	.770	.419	.309	....	....
24	.894	.761	.416	.303	....	....
25	.959	.753	.413	.298	....	....
26	.862	.712	.409	.293	....	....
27	.765	.672	.403	.288	....	....
28	.796	.631	.396	.310	....	....
29	.826	.590	.389	.298	....	....
30	.830	.550	.382	.299	....	....
31	.833		.375	.301		....
MEAN	.....	.760	.424	.334	.....	.....
MAX.	.....	1.078	.508	.369	.....	.....
MIN.	.....	.533	.375	.288	.....	.....
DAM3	1769	1970	1134	895	347	.....

TOTAL SEASONAL FLOW = 6116 DAM3 = 88 AREA MM
MEAN DAILY DISCHARGE = .517 CMS
MAX DAILY DISCHARGE = 1.197 CMS MAX INST FLOW = 1.181 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .288 CMS

DRAINAGE AREA: 6980 HA LOCATION: 10-24-10-4-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 5.649 × STAGE*3.084
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 97

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DUTCH CREEK EAST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - AUGUST 27, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.225	.236	.113	....	....
2	....	.235	.236	.115	....	....
3	.057	.188	.237	.117	....	....
4	.069	.140	.237	.119	....	....
5	.080	.092	.236	.121	....	....
6	.091	.125	.219	.116	....	....
7	.087	.157	.202	.111	....	....
8	.083	.174	.194	.107	....	....
9	.080	.191	.186	.102	....	....
10	.069	.205	.178	.098	....	....
11	.061	.219	.170	.093	....	....
12	.128	.233	.164	.089	....	....
13	.195	.248	.157	.084	....	....
14	.262	.262	.150	.079	....	....
15	.291	.276	.139	.075	....	....
16	.320	.290	.127	.070	....	....
17	.316	.299	.116	.066	....	....
18	.312	.308	.118	.061	....	....
19	.308	.317	.119	.060	....	....
20	.244	.327	.121	.059	....	....
21	.181	.336	.113	.058	....	....
22	.117	.345	.105	.057	....	....
23	.122	.333	.097	.056	....	....
24	.128	.320	.099	.000	....	....
25	.133	.308	.101	.000	....	....
26	.123	.283	.102	.000	....	....
27	.112	.258	.104	.048	....	....
28	.187	.251	.106	....	....	....
29	.262	.243	.108	....	....	....
30	.239	.235	.110	....	....	....
31	.216		.112	....		....
MEAN	.....	.247	.152	.....	.....	.....
MAX.	.....	.345	.237	.....	.....	.....
MIN.	.....	.092	.097	.....	.....	.....
DAM3	421	641	406	179	.....	.....

TOTAL SEASONAL FLOW = 1647 DAM3 = 193 AREA MM
MEAN DAILY DISCHARGE = .163 CMS
MAX DAILY DISCHARGE = .345 CMS MAX INST FLOW = .385 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .048 CMS

DRAINAGE AREA: 852 HA LOCATION: 3-18-11-4-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 327.56 × STAGE*4.495
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 98

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DUTCH CREEK WEST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.524	.587	.301	.234	....
2	....	.472	.563	.296	.235	....
3	.217	.426	.539	.290	.235	....
4	.225	.379	.636	.285	.233	....
5	.233	.332	.733	.279	.231	....
6	.240	.400	.686	.277	.228	....
7	.258	.467	.638	.275	.226	....
8	.276	.499	.604	.273	.224	....
9	.294	.531	.570	.271	.221	....
10	.235	.544	.520	.268	.219	....
11	.241	.557	.470	.266	.221	....
12	.264	.570	.441	.264	.224	....
13	.262	.583	.411	.262	.226	....
14	.335	.596	.382	.260	.228	....
15	.409	.609	.377	.258	.000	....
16	.455	.623	.373	.255	.000	....
17	.421	.662	.368	.253	.207	....
18	.387	.702	.376	.251	....	....
19	.353	.742	.384	.252	....	....
20	.333	.782	.392	.252	....	....
21	.314	.822	.379	.253	....	....
22	.294	.862	.365	.253	....	....
23	.295	.828	.351	.254	....	....
24	.297	.794	.346	.248	....	....
25	.298	.761	.340	.243	....	....
26	.309	.727	.335	.237	....	....
27	.320	.693	.329	.232	....	....
28	.423	.659	.324	.232	....	....
29	.525	.635	.318	.233	....	....
30	.550	.611	.313	.233	....	....
31	.575		.307	.234		....
MEAN	.....	.613	.444	.259	.....	.....
MAX.	.....	.862	.733	.301	.....	.....
MIN.	.....	.332	.307	.232	.....	.....
DAM3	833	1589	1188	695	293	.....

TOTAL SEASONAL FLOW = 4598 DAM3 = 227 AREA MM
MEAN DAILY DISCHARGE = .386 CMS
MAX DAILY DISCHARGE = .862 CMS MAX INST FLOW = .923 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .220 CMS

DRAINAGE AREA: 2024 HA LOCATION: 1-11-11-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 3.780 × STAGE*2.409
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 99

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DUTCH CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	2.088	1.574	.557	.299	....
2	....	1.781	1.357	.556	.296	....
3	.593	1.773	1.140	.555	.294	....
4	.883	1.766	1.326	.554	.295	....
5	1.173	1.758	1.512	.553	.296	....
6	1.463	2.070	1.510	.540	.297	....
7	1.753	2.381	1.509	.528	.298	....
8	1.451	2.468	1.421	.515	.299	....
9	1.150	2.554	1.332	.502	.300	....
10	.849	2.603	1.249	.489	.301	....
11	.547	2.652	1.166	.476	.305	....
12	.535	2.701	1.052	.463	.308	....
13	.604	2.750	.938	.450	.312	....
14	1.092	2.799	.824	.437	.315	....
15	1.581	2.848	.818	.425	.000	....
16	1.965	2.897	.812	.412	.000	....
17	1.789	2.793	.806	.399	.268	....
18	1.612	2.688	.750	.386	....	....
19	1.436	2.584	.695	.369	....	....
20	1.308	2.479	.640	.351	....	....
21	1.180	2.375	.615	.334	....	....
22	1.052	2.270	.591	.317	....	....
23	1.026	2.220	.566	.300	....	....
24	.999	2.170	.565	.303	....	....
25	.972	2.120	.564	.306	....	....
26	.978	2.138	.563	.309	....	....
27	.983	2.156	.562	.312	....	....
28	1.915	2.034	.561	.309	....	....
29	2.847	1.912	.560	.306	....	....
30	2.621	1.790	.559	.304	....	....
31	2.395		.558	.301		....
MEAN	.....	2.321	.926	.417	.....	.....
MAX.	.....	2.897	1.574	.557	.....	.....
MIN.	.....	1.758	.558	.300	.....	.....
DAM3	3348	6015	2479	1116	387	.....

TOTAL SEASONAL FLOW = 13346 DAM3 = 254 AREA MM
MEAN DAILY DISCHARGE = 1.119 CMS
MAX DAILY DISCHARGE = 2.897 CMS MAX INST FLOW = 3.623 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .268 CMS

DRAINAGE AREA: 5256 HA LOCATION: 7-11-11-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 14.089 x STAGE*2.616
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 100

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR GARDINER CREEK, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 9, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	5.675	1.484	.235	.000	....
2	....	4.374	1.238	.233	.000	....
3	....	3.073	.991	.230	.000	....
4	....	1.772	.839	.227	.000	....
5	....	1.847	.916	.218	.000	....
6	.509	1.922	.832	.209	.000	....
7	.539	1.997	.749	.200	.000	....
8	.569	2.124	.641	.191	.000	....
9	.599	2.251	.612	.182	.235	....
10	.638	2.378	.584	.173	....	....
11	.676	2.548	.555	.165	....	....
12	.715	2.717	.527	.157	....	....
13	.856	2.887	.498	.148	....	....
14	1.037	2.925	.470	.140	....	....
15	2.046	2.962	.441	.000	....	....
16	3.055	3.000	.421	.000	....	....
17	2.635	2.990	.401	.000	....	....
18	2.214	2.981	.380	.000	....	....
19	2.298	2.971	.360	.000	....	....
20	2.382	2.961	.340	.000	....	....
21	2.466	2.740	.320	.000	....	....
22	1.830	2.518	.299	.000	....	....
23	1.194	2.297	.291	.000	....	....
24	2.070	2.282	.283	.000	....	....
25	2.946	2.268	.275	.000	....	....
26	3.822	2.253	.267	.000	....	....
27	4.698	2.239	.259	.000	....	....
28	5.089	2.224	.251	.000	....	....
29	5.481	1.977	.243	.000	....	....
30	5.872	1.731	.241	.000	....	....
31	5.774		.238	.000		....
MEAN	.....	2.629	.524	.087	.....	.....
MAX.	.....	5.675	1.484	.235	.....	.....
MIN.	.....	1.731	.238	.000	.....	.....
DAM3	5358	6815	1404	234	20	.....

TOTAL SEASONAL FLOW = 13831 DAM3 = 350 AREA MM
MEAN DAILY DISCHARGE = 1.260 CMS
MAX DAILY DISCHARGE = 5.872 CMS MAX INST FLOW = 7.094 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .140 CMS

DRAINAGE AREA: 3950 HA LOCATION: 13-26-5-4-W5
PHASE 3 CODE : H16C12C2
RATING CURVE : FLOW = 36.892 x STAGE*2.636
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 101

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR GLADSTONE CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.355	.378	.135	.152	....
2	....	1.102	.356	.163	.146	....
3	....	.850	.333	.153	.140	....
4	....	.597	.311	.142	.134	....
5	....	.623	.309	.132	.128	....
6	....	.649	.307	.121	.122	....
7	.234	.625	.268	.116	.116	....
8	.308	.668	.229	.110	.110	....
9	.381	.711	.225	.105	.104	....
10	.394	.718	.220	.099	.098	....
11	.396	.726	.207	.098	.099	....
12	.398	.779	.195	.096	.100	....
13	.346	.832	.182	.095	.101	....
14	.989	.801	.179	.100	.102	....
15	1.632	.770	.176	.106	.098	....
16	1.326	.766	.173	.111	.094	....
17	1.426	.762	.165	.117	.090	....
18	1.015	.758	.158	.122	.086	....
19	.896	.752	.150	.127	....	....
20	.778	.746	.142	.133	....	....
21	.659	.740	.134	.138	....	....
22	.627	.767	.133	.144	....	....
23	.595	.793	.132	.149	....	....
24	.663	.689	.132	.155	....	....
25	.731	.584	.131	.160	....	....
26	.798	.570	.140	.165	....	....
27	.866	.557	.149	.171	....	....
28	1.027	.543	.158	.176	....	....
29	1.187	.530	.141	.170	....	....
30	1.348	.454	.123	.164	....	....
31	1.352		.106	.158		....
MEAN	.....	.727	.198	.133	.....	.....
MAX.	.....	1.355	.378	.176	.....	.....
MIN.	.....	.454	.106	.095	.....	.....
DAM3	1760	1885	531	357	175	.....

TOTAL SEASONAL FLOW = 4707 DAM3 = 272 AREA MM
MEAN DAILY DISCHARGE = .404 CMS
MAX DAILY DISCHARGE = 1.632 CMS MAX INST FLOW = 2.040 CMS
MIN DAILY DISCHARGE = .086 CMS MIN INST FLOW = .086 CMS

DRAINAGE AREA: 1732 HA LOCATION: 8-9-5-2-W5
PHASE 3 CODE : H16C10B1
RATING CURVE : FLOW = 25.595 × STAGE*2.791
COMMENTS : FLOWS CALCULATED USING CREST GAUGE MEASUREMENTS.

TABLE 102

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR HIDDEN CREEK SOUTH, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 8, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.422	.660	.222	.055	....
2	....	.524	.612	.121	.054	....
3	....	.625	.563	.124	.053	....
4	.043	.727	.515	.126	.052	....
5	.045	.828	.517	.128	.051	....
6	.046	.930	.519	.130	.050	....
7	.047	1.032	.520	.124	.049	....
8	.053	1.005	.522	.117	.049	....
9	.059	.979	.524	.111	....	....
10	.045	.953	.491	.105	....	....
11	.033	.927	.458	.099	....	....
12	.051	.901	.425	.092	....	....
13	.038	.875	.391	.086	....	....
14	.102	1.144	.358	.083	....	....
15	.166	1.414	.325	.079	....	....
16	.230	1.683	.292	.076	....	....
17	.211	1.298	.259	.073	....	....
18	.192	.914	.243	.072	....	....
19	.197	1.233	.266	.071	....	....
20	.202	1.553	.210	.070	....	....
21	.207	1.872	.194	.069	....	....
22	.212	1.747	.178	.069	....	....
23	.204	1.621	.162	.068	....	....
24	.195	1.496	.146	.067	....	....
25	.187	1.566	.221	.065	....	....
26	.361	1.635	.297	.063	....	....
27	.534	.927	.372	.062	....	....
28	.708	.860	.447	.060	....	....
29	.881	.793	.522	.058	....	....
30	.728	.727	.422	.056	....	....
31	.575		.322	.055		....
MEAN	.....	1.107	.386	.090	.....	.....
MAX.	.....	1.872	.660	.222	.....	.....
MIN.	.....	.422	.146	.055	.....	.....
DAM3	566	2869	1033	242	36	.....

TOTAL SEASONAL FLOW = 4746 DAM3 = 334 AREA MM
MEAN DAILY DISCHARGE = .429 CMS
MAX DAILY DISCHARGE = 1.872 CMS MAX INST FLOW = 2.340 CMS
MIN DAILY DISCHARGE = .033 CMS MIN INST FLOW = .049 CMS

DRAINAGE AREA: 1420 HA LOCATION: 7-11-12-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 21.810 x STAGE*4.033
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 103

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR HIDDEN CREEK SOUTH TRIB, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 19, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.130	.108	.020	.006	....
2	....	.140	.098	.017	.005	....
3	....	.151	.089	.018	.005	....
4	.035	.161	.079	.018	.005	....
5	.037	.171	.089	.019	.005	....
6	.039	.181	.099	.020	.005	....
7	.041	.191	.109	.018	.005	....
8	.039	.190	.086	.017	.004	....
9	.038	.188	.063	.015	.005	....
10	.036	.186	.061	.014	.005	....
11	.019	.184	.059	.012	.005	....
12	.021	.183	.056	.011	.005	....
13	.019	.181	.054	.009	.005	....
14	.070	.158	.052	.009	.005	....
15	.121	.135	.050	.010	.005	....
16	.171	.113	.047	.010	.004	....
17	.147	.105	.045	.010	.004	....
18	.122	.098	.042	.010	.004	....
19	.129	.114	.038	.010	.004	....
20	.136	.131	.035	.009	....	....
21	.143	.147	.031	.009	....	....
22	.150	.163	.028	.009	....	....
23	.134	.180	.024	.008	....	....
24	.118	.159	.021	.008	....	....
25	.102	.139	.022	.008	....	....
26	.113	.118	.023	.008	....	....
27	.125	.098	.025	.007	....	....
28	.136	.100	.026	.007	....	....
29	.147	.103	.027	.007	....	....
30	.142	.105	.025	.007	....	....
31	.136		.022	.006		....
MEAN	.....	.147	.053	.012	.....	.....
MAX.	.....	.191	.109	.020	.....	.....
MIN.	.....	.098	.021	.006	.....	.....
DAM3	230	380	141	31	8	.....

TOTAL SEASONAL FLOW = 791 DAM3 = 84 AREA MM
MEAN DAILY DISCHARGE = .066 CMS
MAX DAILY DISCHARGE = .191 CMS MAX INST FLOW = .239 CMS
MIN DAILY DISCHARGE = .004 CMS MIN INST FLOW = .004 CMS

DRAINAGE AREA: 940 HA LOCATION: 4-12-12-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 6.184 × STAGE*2.792
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 104

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR HIDDEN CREEK, BOW/CROW FOREST, 1984
MAY 4, 1984 - SEPTEMBER 19, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.649	.989	.329	.139	....
2	....	.668	.886	.319	.139	....
3	....	.687	.782	.327	.140	....
4	.129	.706	.679	.334	.139	....
5	.122	.725	.699	.342	.139	....
6	.114	.744	.720	.349	.138	....
7	.107	.763	.740	.331	.138	....
8	.087	.787	.683	.313	.137	....
9	.067	.811	.626	.295	.140	....
10	.098	.834	.613	.275	.142	....
11	.070	.858	.599	.254	.145	....
12	.064	.882	.586	.233	.148	....
13	.064	.906	.573	.212	.151	....
14	.165	1.040	.559	.208	.153	....
15	.265	1.173	.546	.204	.150	....
16	.366	1.307	.533	.199	.146	....
17	.294	1.261	.520	.195	.143	....
18	.222	1.214	.501	.190	.139	....
19	.238	1.221	.482	.186	.135	....
20	.254	1.229	.463	.181	....	....
21	.270	1.236	.444	.177	....	....
22	.286	1.193	.426	.172	....	....
23	.271	1.151	.407	.168	....	....
24	.255	1.108	.388	.163	....	....
25	.240	1.169	.382	.159	....	....
26	.298	1.229	.376	.154	....	....
27	.357	1.295	.369	.150	....	....
28	.415	1.218	.363	.146	....	....
29	.474	1.142	.357	.142	....	....
30	.532	1.065	.348	.138	....	....
31	.591		.338	.138		....
MEAN	.....	1.009	.548	.225	.....	.....
MAX.	.....	1.307	.989	.349	.....	.....
MIN.	.....	.649	.338	.138	.....	.....
DAM3	580	2615	1467	603	233	.....

TOTAL SEASONAL FLOW = 5499 DAM3 = 307 AREA MM
MEAN DAILY DISCHARGE = .458 CMS
MAX DAILY DISCHARGE = 1.307 CMS MAX INST FLOW = 1.630 CMS
MIN DAILY DISCHARGE = .064 CMS MIN INST FLOW = .135 CMS

DRAINAGE AREA: 1790 HA LOCATION: 7-11-12-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 35.431 x STAGE*4.144
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 105

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR HONEYMOON CREEK, BOW/CROW FOREST, 1984
JUNE 17, 1984 - SEPTEMBER 19, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.508	.130	.045	....
2	....	....	.495	.125	.044	....
3	....	....	.481	.120	.045	....
4	....	....	.467	.100	.046	....
5	....	....	.442	.079	.047	....
6	....	....	.417	.061	.048	....
7	....	....	.393	.043	.049	....
8	....	....	.368	.044	.050	....
9	....	....	.343	.045	.050	....
10	....	....	.318	.046	.051	....
11	....	....	.294	.047	.052	....
12	....	....	.285	.048	.052	....
13	....	....	.275	.049	.053	....
14	....	....	.266	.050	.000	....
15	....	....	.257	.051	.000	....
16	....	....	.248	.052	.000	....
17	....	.628	.239	.053	.000	....
18	....	.593	.230	.054	.000	....
19	....	.558	.221	.055	.057	....
20	....	.553	.213	.056	....	....
21	....	.549	.204	.057	....	....
22	....	.629	.195	.058	....	....
23	....	.709	.187	.060	....	....
24	....	.602	.178	.063	....	....
25	....	.494	.169	.066	....	....
26	....	.500	.161	.068	....	....
27	....	.505	.156	.061	....	....
28	....	.511	.151	.053	....	....
29	....	.517	.145	.046	....	....
30	....	.522	.140	.046	....	....
31	....		.135	.045		....
MEAN	.....	.....	.277	.062	.....	.....
MAX.	.....	.....	.508	.130	.....	.....
MIN.	.....	.....	.135	.043	.....	.....
DAM3	.....	680	742	167	60	.....

TOTAL SEASONAL FLOW = 1648 DAM3 = 67 AREA MM
MEAN DAILY DISCHARGE = .201 CMS
MAX DAILY DISCHARGE = .709 CMS MAX INST FLOW = .745 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .084 CMS

DRAINAGE AREA: 2450 HA LOCATION: 15-25-12-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 20.307 × STAGE*2.895
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 106

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LOST CREEK NORTH, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	4.414	1.239	1.049	.843	....
2	....	3.575	1.079	.850	.855	....
3	....	2.737	.919	.651	.866	....
4	....	1.898	1.078	.452	.878	....
5	....	1.918	1.280	.439	.889	....
6	.534	1.938	1.169	.425	.901	....
7	.592	1.958	1.058	.412	.912	....
8	.649	1.823	1.039	.398	.924	....
9	.706	1.687	.969	.384	.936	....
10	.745	1.552	.900	.350	.755	....
11	.784	1.835	.830	.315	.575	....
12	.823	2.119	.761	.280	.395	....
13	1.040	2.402	.691	.246	.215	....
14	1.245	2.429	.622	.211	.000	....
15	2.285	2.455	.552	.255	.000	....
16	3.325	2.482	.532	.299	.000	....
17	2.954	2.255	.511	.343	.218	....
18	2.583	2.027	.491	.388	....	....
19	2.779	1.800	.471	.432	....	....
20	2.974	1.572	.450	.476	....	....
21	3.170	1.404	.430	.520	....	....
22	2.345	1.236	.409	.564	....	....
23	1.520	1.068	.586	.608	....	....
24	1.909	1.198	.762	.653	....	....
25	2.298	1.329	.939	.697	....	....
26	2.687	1.459	1.115	.741	....	....
27	3.076	1.589	1.292	.785	....	....
28	3.332	1.720	1.468	.797	....	....
29	3.588	1.560	1.645	.808	....	....
30	3.844	1.399	1.446	.820	....	....
31	4.129		1.247	.831		....
MEAN	.....	1.961	.903	.532	.....	.....
MAX.	.....	4.414	1.645	1.049	.....	.....
MIN.	.....	1.068	.409	.211	.....	.....
DAM3	4831	5084	2418	1424	878	.....

TOTAL SEASONAL FLOW = 14634 DAM3 = 488 AREA MM
MEAN DAILY DISCHARGE = 1.255 CMS
MAX DAILY DISCHARGE = 4.414 CMS MAX INST FLOW = 5.518 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .211 CMS

DRAINAGE AREA: 2999 HA LOCATION: 12-4-6-4-W5
PHASE 3 CODE : H16C12C5
RATING CURVE : FLOW = 31.505 x STAGE*3.061
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 107

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LOST CREEK SOUTH, BOW/CROW FOREST, 1984
MAY 6, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	3.668	.944	.298	.472	....
2	....	2.898	.873	.278	.456	....
3	....	2.129	.802	.259	.440	....
4	....	1.360	.675	.240	.424	....
5	....	1.357	.763	.228	.408	....
6	.432	1.353	.676	.216	.392	....
7	.474	1.350	.590	.203	.376	....
8	.516	1.338	.498	.191	.360	....
9	.558	1.325	.483	.179	.344	....
10	.587	1.313	.468	.174	.292	....
11	.616	1.512	.453	.170	.239	....
12	.645	1.712	.438	.166	.187	....
13	.821	1.911	.423	.161	.135	....
14	.977	1.875	.408	.157	.000	....
15	2.009	1.839	.393	.187	.000	....
16	3.041	1.803	.381	.218	.000	....
17	2.290	1.988	.368	.248	.135	....
18	1.540	2.173	.356	.279	....	....
19	1.790	2.358	.344	.309	....	....
20	2.041	2.543	.332	.339	....	....
21	2.291	2.061	.320	.370	....	....
22	1.883	1.579	.307	.400	....	....
23	1.475	1.097	.314	.431	....	....
24	1.819	1.109	.321	.461	....	....
25	2.162	1.121	.328	.491	....	....
26	2.506	1.133	.335	.522	....	....
27	2.849	1.145	.341	.552	....	....
28	3.087	1.157	.348	.536	....	....
29	3.324	1.086	.355	.520	....	....
30	3.561	1.015	.336	.504	....	....
31	3.614		.317	.488		....
MEAN	.....	1.677	.461	.315	.....	.....
MAX.	.....	3.668	.944	.552	.....	.....
MIN.	.....	1.015	.307	.157	.....	.....
DAM3	4053	4346	1235	845	403	.....

TOTAL SEASONAL FLOW = 10882 DAM3 = 417 AREA MM
MEAN DAILY DISCHARGE = .933 CMS
MAX DAILY DISCHARGE = 3.668 CMS MAX INST FLOW = 4.451 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .142 CMS

DRAINAGE AREA: 2607 HA LOCATION: 9-5-6-4-W5
PHASE 3 CODE : H16C12C4
RATING CURVE : FLOW = 33.791 x STAGE*3.046
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 108

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LYNX CREEK TRIBUTARY, BOW/CROW FOREST, 1984
MAY 12, 1984 - AUGUST 14, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.137	.033	.000	....	....
2	....	.108	.029	.000	....	....
3	....	.105	.026	.000	....	....
4	....	.102	.022	.000	....	....
5	....	.093	.019	.000	....	....
6	....	.085	.017	.000	....	....
7	....	.076	.015	.000	....	....
8	....	.071	.015	.000	....	....
9	....	.065	.015	.000	....	....
10	....	.060	.015	.000	....	....
11	....	.061	.015	.000	....	....
12	.085	.062	.015	.000	....	....
13	.169	.063	.015	.000	....	....
14	.205	.058	.015	.014	....	....
15	.407	.052	.015	....	....	....
16	.609	.047	.016	....	....	....
17	.496	.058	.016	....	....	....
18	.383	.069	.016	....	....	....
19	.374	.080	.016	....	....	....
20	.365	.091	.016	....	....	....
21	.357	.081	.016	....	....	....
22	.314	.071	.016	....	....	....
23	.271	.061	.016	....	....	....
24	.244	.051	.016	....	....	....
25	.217	.041	.017	....	....	....
26	.191	.040	.017	....	....	....
27	.164	.039	.017	....	....	....
28	.164	.038	.000	....	....	....
29	.164	.036	.000	....	....	....
30	.165	.035	.000	....	....	....
31	.165		.000	....		....
MEAN	.....	.068	.015	.....	.....	.....
MAX.	.....	.137	.033	.....	.....	.....
MIN.	.....	.035	.000	.....	.....	.....
DAM3	476	176	41	1	.....	.....

TOTAL SEASONAL FLOW = 694 DAM3 = 37 AREA MM
MEAN DAILY DISCHARGE = .085 CMS
MAX DAILY DISCHARGE = .609 CMS MAX INST FLOW = .761 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .014 CMS

DRAINAGE AREA: 1880 HA LOCATION: 12-12-6-4-W5
PHASE 3 CODE : H16C12
RATING CURVE : FLOW = 395.85 × STAGE*3.541
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 109

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LYNX CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 9, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	2.121	.875	.177	.000	....
2	....	1.374	.843	.186	.000	....
3	....	1.380	.811	.196	.000	....
4	....	1.385	.780	.206	.000	....
5	....	1.404	.748	.216	.000	....
6	....	1.422	.718	.226	.000	....
7	....	1.441	.689	.236	.000	....
8	....	1.367	.594	.246	.000	....
9	....	1.294	.575	.219	.106	....
10	....	1.220	.555	.192	....	....
11	....	1.406	.536	.165	....	....
12	.465	1.592	.517	.139	....	....
13	.609	1.778	.497	.112	....	....
14	.725	1.682	.478	.085	....	....
15	1.409	1.585	.459	.085	....	....
16	2.094	1.489	.437	.106	....	....
17	1.745	1.487	.415	.106	....	....
18	1.397	1.486	.394	.107	....	....
19	1.459	1.484	.372	.107	....	....
20	1.520	1.482	.350	.108	....	....
21	1.582	1.355	.329	.108	....	....
22	1.559	1.228	.307	.109	....	....
23	1.537	1.101	.288	.109	....	....
24	1.873	1.092	.269	.110	....	....
25	2.209	1.083	.250	.110	....	....
26	2.545	1.115	.230	.110	....	....
27	2.882	1.148	.211	.111	....	....
28	2.878	1.080	.204	.111	....	....
29	2.874	1.011	.197	.000	....	....
30	2.871	.943	.190	.000	....	....
31	2.867		.183	.000		....
MEAN	.....	1.368	.461	.132	.....	.....
MAX.	.....	2.121	.875	.246	.....	.....
MIN.	.....	.943	.183	.000	.....	.....
DAM3	3205	3545	1236	354	9	.....

TOTAL SEASONAL FLOW = 8350 DAM3 = 303 AREA MM
MEAN DAILY DISCHARGE = .799 CMS
MAX DAILY DISCHARGE = 2.882 CMS MAX INST FLOW = 3.601 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .088 CMS

DRAINAGE AREA: 2760 HA LOCATION: 11-32-6-4-W5
PHASE 3 CODE : H16C12
RATING CURVE : FLOW = 57.327 × STAGE*3.199
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 110

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR MILL CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	3.000	1.577	.616	.328	....
2	....	2.656	1.448	.611	.272	....
3	....	2.313	1.319	.606	.215	....
4	....	1.970	1.190	.582	.159	....
5	....	1.979	1.038	.558	.102	....
6	....	1.988	.886	.534	.101	....
7	.214	1.912	.896	.556	.101	....
8	.233	1.936	.905	.577	.100	....
9	.253	1.959	.959	.599	.100	....
10	.270	1.993	1.013	.620	.099	....
11	.278	2.026	1.009	.589	.136	....
12	.286	2.013	1.005	.557	.173	....
13	.340	2.001	1.000	.526	.210	....
14	.367	2.501	.972	.514	.247	....
15	.394	2.407	.943	.502	.000	....
16	.442	2.314	.914	.491	.000	....
17	1.805	2.220	.870	.479	.000	....
18	2.448	2.126	.826	.467	.284	....
19	2.239	2.058	.782	.456	....	....
20	2.030	1.990	.738	.444	....	....
21	1.822	1.922	.694	.432	....	....
22	1.807	2.050	.695	.420	....	....
23	1.793	2.178	.696	.417	....	....
24	1.676	2.306	.698	.413	....	....
25	1.559	2.434	.699	.409	....	....
26	1.442	2.153	.711	.405	....	....
27	1.366	1.872	.723	.401	....	....
28	1.291	1.590	.735	.397	....	....
29	2.090	1.586	.697	.393	....	....
30	2.575	1.581	.658	.389	....	....
31	2.789		.620	.385		....
MEAN	.....	2.101	.900	.495	.....	.....
MAX.	.....	3.000	1.577	.620	.....	.....
MIN.	.....	1.581	.620	.385	.....	.....
DAM3	2749	5446	2412	1325	227	.....

TOTAL SEASONAL FLOW = 12159 DAM3 = 232 AREA MM
MEAN DAILY DISCHARGE = 1.042 CMS
MAX DAILY DISCHARGE = 3.000 CMS MAX INST FLOW = 3.750 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .099 CMS

DRAINAGE AREA: 5245 HA LOCATION: 11-11-5-2-W5
PHASE 3 CODE : H16C10C1
RATING CURVE : FLOW = 10.116 × STAGE*2.525
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.STANDARD RAIN GAUGE.

TABLE 111

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR OHAGEN CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - AUGUST 14, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.054	.042	.006	....	....
2	....	.039	.032	.005	....	....
3	....	.029	.023	.003	....	....
4	....	.018	.013	.002	....	....
5	....	.025	.004	.002	....	....
6	....	.032	.003	.002	....	....
7	....	.039	.002	.002	....	....
8	....	.046	.002	.002	....	....
9	....	.053	.003	.002	....	....
10	....	.060	.005	.000	....	....
11	....	.051	.006	.000	....	....
12	.274	.042	.008	.000	....	....
13	.280	.033	.009	.000	....	....
14	.304	.026	.010	.001	....	....
15	1.174	.020	.012	....	....	....
16	2.045	.013	.013	....	....	....
17	1.154	.040	.015	....	....	....
18	.263	.067	.016	....	....	....
19	.290	.094	.017	....	....	....
20	.316	.121	.019	....	....	....
21	.343	.101	.020	....	....	....
22	.268	.080	.022	....	....	....
23	.193	.060	.020	....	....	....
24	.183	.060	.018	....	....	....
25	.172	.060	.017	....	....	....
26	.162	.060	.015	....	....	....
27	.152	.061	.014	....	....	....
28	.131	.061	.012	....	....	....
29	.110	.061	.011	....	....	....
30	.089	.051	.009	....	....	....
31	.068		.008	....		....
MEAN	.....	.052	.014	.....	.....	.....
MAX.	.....	.121	.042	.....	.....	.....
MIN.	.....	.013	.002	.....	.....	.....
DAM3	689	135	36	2	.....	.....

TOTAL SEASONAL FLOW = 862 DAM3 = 60 AREA MM
MEAN DAILY DISCHARGE = .105 CMS
MAX DAILY DISCHARGE = 2.045 CMS MAX INST FLOW = .429 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .000 CMS

DRAINAGE AREA: 1430 HA LOCATION: 2-31-5-3-W5
PHASE 3 CODE : H16C12
RATING CURVE : FLOW = 33011.681 × STAGE*7.520
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 112

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR EAST OYSTER CREEK, BOW/CROW FOREST, 1984
JUNE 14, 1984 - OCTOBER 15, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.174	.034	.022	.037
2	....	....	.160	.037	.029	.044
3	....	....	.139	.041	.027	.045
4	....	....	.123	.037	.027	.041
5	....	....	.134	.037	.024	.042
6	....	....	.133	.037	.032	.033
7	....	....	.116	.034	.032	.031
8	....	....	.106	.031	.030	.034
9	....	....	.095	.031	.028	.031
10	....	....	.089	.030	.026	.027
11	....	....	.083	.029	.030	.026
12	....	....	.079	.028	.036	.026
13	....	....	.075	.026	.032	.029
14	....	.243	.072	.026	.028	.028
15	....	.270	.069	.026	.026	.025
16	....	.276	.065	.024	.024	....
17	....	.263	.061	.024	.023	....
18	....	.207	.057	.025	.022	....
19	....	.182	.053	.029	.022	....
20	....	.274	.051	.025	.028	....
21	....	.469	.071	.022	.038	....
22	....	.778	.061	.022	.029	....
23	....	.523	.052	.022	.024	....
24	....	.348	.048	.022	.031	....
25	....	.296	.045	.022	.029	....
26	....	.214	.044	.022	.030	....
27	....	.210	.046	.025	.030	....
28	....	.207	.046	.025	.030	....
29	....	.195	.040	.029	.031	....
30	....	.178	.042	.025	.034	....
31	....		.038	.022		....
MEAN	.....	.....	.080	.028	.028	.....
MAX.	.....	.....	.174	.041	.038	.....
MIN.	.....	.....	.038	.022	.022	.....
DAM3	.....	443	213	75	74	43

TOTAL SEASONAL FLOW = 849 DAM3 = 91 AREA MM
MEAN DAILY DISCHARGE = .079 CMS
MAX DAILY DISCHARGE = .778 CMS MAX INST FLOW = .975 CMS
MIN DAILY DISCHARGE = .022 CMS MIN INST FLOW = .016 CMS

DRAINAGE AREA: 929 HA LOCATION: 4-5-14-5-W5
PHASE 3 CODE : H16A14E7
RATING CURVE : FLOW = 72.463 × STAGE*14.157
COMMENTS : FLOWS MEASURED USING STEVENS WATER LEVEL RECORDER.

TABLE 113

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR WEST OYSTER CREEK, BOW/CROW FOREST, 1984
JUNE 14, 1984 - OCTOBER 15, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.413	.097	.060	.131
2	....	....	.355	.108	.061	.117
3	....	....	.306	.103	.058	.126
4	....	....	.291	.096	.056	.106
5	....	....	.296	.096	.053	.093
6	....	....	.283	.094	.061	.078
7	....	....	.255	.092	.062	.075
8	....	....	.239	.089	.063	.074
9	....	....	.226	.086	.062	.070
10	....	....	.211	.085	.057	.067
11	....	....	.200	.084	.061	.066
12	....	....	.194	.078	.067	.065
13	....	....	.187	.088	.064	.072
14	....	1.079	.168	.089	.060	.068
15	....	1.495	.161	.084	.057	.079
16	....	1.482	.155	.080	.058	....
17	....	1.261	.149	.075	.059	....
18	....	1.038	.141	.071	.057	....
19	....	.893	.136	.068	.056	....
20	....	1.058	.134	.064	.059	....
21	....	1.048	.156	.061	.068	....
22	....	1.055	.138	.059	.061	....
23	....	.967	.130	.057	.066	....
24	....	.861	.127	.057	.078	....
25	....	.793	.126	.056	.093	....
26	....	.696	.123	.054	.118	....
27	....	.661	.119	.061	.123	....
28	....	.610	.118	.079	.125	....
29	....	.571	.109	.062	.125	....
30	....	.493	.109	.059	.124	....
31	....		.103	.059		....
MEAN	.....	.....	.189	.077	.072	.....
MAX.	.....	.....	.413	.108	.125	.....
MIN.	.....	.....	.103	.054	.053	.....
DAM3	.....	1388	506	207	188	111

TOTAL SEASONAL FLOW = 2399 DAM3 = 207 AREA MM
MEAN DAILY DISCHARGE = .224 CMS
MAX DAILY DISCHARGE = 1.495 CMS MAX INST FLOW = 2.774 CMS
MIN DAILY DISCHARGE = .053 CMS MIN INST FLOW = .039 CMS

DRAINAGE AREA: 1160 HA LOCATION: 4-5-14-5-W5
PHASE 3 CODE : H16A14E7
RATING CURVE : FLOW = 25.658 × STAGE*4.040
COMMENTS : FLOWS MEASURED USING STEVENS RECORDER.STANDARD RAIN GAUGE.

TABLE 114

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR PASQUE CREEK, BOW/CROW FOREST, 1984
JUNE 14, 1984 - OCTOBER 12, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.298	.066	.036	.032
2	....	....	.275	.068	.036	.046
3	....	....	.233	.067	.034	.097
4	....	....	.203	.063	.036	.093
5	....	....	.208	.065	.038	.091
6	....	....	.196	.065	.040	.073
7	....	....	.163	.057	.044	.060
8	....	....	.150	.053	.039	.056
9	....	....	.142	.050	.034	.054
10	....	....	.139	.047	.034	.049
11	....	....	.125	.047	.036	.046
12	....	....	.120	.046	.042	.049
13	....	....	.114	.047	.038	....
14	....	.892	.116	.048	.037	....
15	....	.767	.108	.046	.037	....
16	....	.712	.103	.044	.035	....
17	....	.646	.098	.043	.035	....
18	....	.544	.095	.043	.033	....
19	....	.470	.087	.045	.030	....
20	....	.468	.083	.043	.035	....
21	....	.546	.108	.041	.050	....
22	....	.800	.094	.040	.043	....
23	....	1.010	.076	.038	.040	....
24	....	.834	.077	.036	.042	....
25	....	.688	.074	.036	.040	....
26	....	.566	.070	.035	.041	....
27	....	.451	.077	.037	.073	....
28	....	.405	.098	.053	.068	....
29	....	.365	.075	.040	.054	....
30	....	.330	.083	.036	.036	....
31	....		.070	.036		....
MEAN	.....	.....	.128	.048	.041	.....
MAX.	.....	.....	.298	.068	.073	.....
MIN.	.....	.....	.070	.035	.030	.....
DAM3	.....	907	342	128	105	64

TOTAL SEASONAL FLOW = 1546 DAM3 = 72 AREA MM
MEAN DAILY DISCHARGE = .148 CMS
MAX DAILY DISCHARGE = 1.010 CMS MAX INST FLOW = 1.098 CMS
MIN DAILY DISCHARGE = .030 CMS MIN INST FLOW = .027 CMS

DRAINAGE AREA: 2151 HA LOCATION: 5-22-13-5-W5
PHASE 3 CODE : H16A14E1
RATING CURVE : FLOW = 36.108 × STAGE*4.998
COMMENTS : FLOWS MEASURED USING STEVENS RECORDER.STANDARD RAIN GAUGE.

TABLE 115

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR NORTH RACEHORSE-WEST TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.730	.489	.093	.037	....
2	....	1.523	.383	.086	.038	....
3	.117	1.209	.276	.079	.038	....
4	.127	.894	.324	.073	.038	....
5	.137	.580	.372	.066	.037	....
6	.147	.764	.338	.059	.037	....
7	.157	.948	.303	.053	.036	....
8	.156	.855	.273	.046	.035	....
9	.156	.762	.242	.048	.035	....
10	.156	.759	.230	.049	.034	....
11	.156	.756	.218	.051	.034	....
12	.168	.753	.215	.053	.033	....
13	.168	.750	.212	.054	.032	....
14	.814	.747	.209	.052	.031	....
15	1.459	.744	.200	.049	.000	....
16	1.163	.741	.192	.047	.000	....
17	1.116	.713	.184	.044	.028	....
18	1.069	.686	.166	.042	....	....
19	1.021	.659	.149	.040	....	....
20	.784	.632	.131	.039	....	....
21	.547	.604	.123	.037	....	....
22	.310	.577	.115	.035	....	....
23	.296	.662	.107	.034	....	....
24	.281	.746	.106	.034	....	....
25	.266	.831	.105	.034	....	....
26	.266	.819	.104	.034	....	....
27	.265	.807	.103	.034	....	....
28	.683	.737	.102	.035	....	....
29	1.101	.666	.101	.035	....	....
30	1.519	.596	.100	.036	....	....
31	1.937		.099	.037		....
MEAN	.....	.808	.202	.049	.....	.....
MAX.	.....	1.730	.489	.093	.....	.....
MIN.	.....	.577	.099	.034	.....	.....
DAM3	1429	2095	542	130	45	.....

TOTAL SEASONAL FLOW = 4242 DAM3 = 583 AREA MM
MEAN DAILY DISCHARGE = .356 CMS
MAX DAILY DISCHARGE = 1.937 CMS MAX INST FLOW = 1.406 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .050 CMS

DRAINAGE AREA: 728 HA LOCATION: 5-24-10-5-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 16.747 × STAGE*5.976
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 116

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR NORTH RACEHORSE CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	5.957	1.623	.270	.119	....
2	....	5.739	1.540	.249	.129	....
3	.426	4.537	1.457	.227	.138	....
4	.624	3.335	1.716	.213	.135	....
5	.822	2.133	1.974	.200	.132	....
6	1.020	4.718	1.678	.187	.129	....
7	1.219	7.303	1.382	.173	.126	....
8	1.058	7.141	1.145	.160	.123	....
9	.898	6.978	.908	.151	.120	....
10	.737	6.743	.838	.143	.117	....
11	.577	6.507	.768	.134	.115	....
12	.796	6.271	.703	.125	.113	....
13	.994	6.036	.638	.117	.111	....
14	5.233	5.800	.573	.114	.108	....
15	9.472	5.564	.555	.112	.000	....
16	11.840	5.329	.538	.110	.000	....
17	9.824	4.900	.520	.108	.087	....
18	7.808	4.472	.485	.105	....	....
19	5.792	4.043	.450	.102	....	....
20	4.532	3.615	.415	.098	....	....
21	3.272	3.186	.380	.094	....	....
22	2.012	2.758	.336	.090	....	....
23	1.817	2.841	.291	.086	....	....
24	1.623	2.923	.246	.083	....	....
25	1.428	3.006	.249	.080	....	....
26	1.456	2.782	.253	.077	....	....
27	1.484	2.558	.256	.074	....	....
28	5.595	2.274	.275	.083	....	....
29	9.705	1.990	.294	.092	....	....
30	7.940	1.706	.314	.101	....	....
31	6.176		.292	.110		....
MEAN	.....	4.438	.745	.131	.....	.....
MAX.	.....	7.303	1.974	.270	.....	.....
MIN.	.....	1.706	.246	.074	.....	.....
DAM3	9174	11504	1995	352	155	.....

TOTAL SEASONAL FLOW = 23180 DAM3 = 864 AREA MM
MEAN DAILY DISCHARGE = 1.944 CMS
MAX DAILY DISCHARGE = 11.840 CMS MAX INST FLOW = 9.131 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .074 CMS

DRAINAGE AREA: 2682 HA LOCATION: 5-24-10-5-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 198.818 × STAGE*4.046
COMMENTS : FLOWS MEASURED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 117

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SOUTH RACEHORSE-S.-TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.503	.178	.043	.021	....
2	....	.462	.161	.047	.023	....
3	.276	.409	.144	.051	.026	....
4	.392	.355	.248	.054	.025	....
5	.509	.302	.352	.058	.023	....
6	.625	.372	.371	.062	.022	....
7	.741	.443	.390	.066	.021	....
8	.654	.585	.253	.069	.020	....
9	.567	.728	.115	.064	.019	....
10	.480	.696	.109	.059	.018	....
11	.392	.665	.103	.054	.017	....
12	.395	.633	.090	.049	.017	....
13	.332	.601	.076	.043	.017	....
14	.708	.569	.063	.038	.017	....
15	1.084	.538	.063	.033	.000	....
16	.934	.506	.064	.028	.000	....
17	.784	.492	.065	.023	.010	....
18	.753	.479	.056	.018	....	....
19	.722	.465	.048	.017	....	....
20	.690	.452	.039	.016	....	....
21	.476	.438	.034	.015	....	....
22	.262	.425	.029	.014	....	....
23	.320	.420	.024	.013	....	....
24	.379	.415	.028	.012	....	....
25	.437	.410	.033	.011	....	....
26	.413	.330	.037	.010	....	....
27	.389	.251	.042	.009	....	....
28	.705	.232	.040	.011	....	....
29	1.020	.214	.038	.014	....	....
30	.782	.195	.036	.016	....	....
31	.543		.039	.018		....
MEAN	.....	.453	.109	.033	.....	.....
MAX.	.....	.728	.390	.069	.....	.....
MIN.	.....	.195	.024	.009	.....	.....
DAM3	1448	1174	291	89	26	.....

TOTAL SEASONAL FLOW = 3028 DAM3 = 260 AREA MM
MEAN DAILY DISCHARGE = .254 CMS
MAX DAILY DISCHARGE = 1.084 CMS MAX INST FLOW = 1.354 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .002 CMS

DRAINAGE AREA: 1166 HA LOCATION: 16-2-10-5-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 5.561 * STAGE*2.334
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 118

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SOUTH RACEHORSE-W.TRIB, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.663	.433	.301	.258	....
2	....	.588	.413	.300	.263	....
3	.313	.543	.392	.298	.268	....
4	.358	.498	.408	.297	.263	....
5	.403	.453	.423	.296	.258	....
6	.449	.541	.419	.294	.254	....
7	.494	.630	.414	.293	.249	....
8	.471	.718	.430	.292	.244	....
9	.448	.807	.446	.288	.239	....
10	.425	.793	.430	.284	.234	....
11	.402	.780	.414	.280	.234	....
12	.460	.766	.409	.277	.233	....
13	.453	.753	.403	.273	.232	....
14	.694	.739	.398	.269	.231	....
15	.935	.725	.387	.265	.000	....
16	.842	.712	.376	.262	.000	....
17	.797	.719	.365	.258	.217	....
18	.752	.727	.361	.254	....	....
19	.707	.735	.356	.254	....	....
20	.656	.743	.352	.254	....	....
21	.605	.750	.352	.254	....	....
22	.554	.758	.351	.254	....	....
23	.543	.751	.351	.254	....	....
24	.531	.745	.342	.249	....	....
25	.520	.738	.333	.244	....	....
26	.467	.676	.324	.239	....	....
27	.415	.614	.315	.234	....	....
28	.569	.561	.311	.239	....	....
29	.722	.507	.308	.244	....	....
30	.730	.454	.304	.249	....	....
31	.738		.303	.254		....
MEAN	.....	.673	.375	.268	.....	.....
MAX.	.....	.807	.446	.301	.....	.....
MIN.	.....	.453	.303	.234	.....	.....
DAM3	1421	1744	1004	717	318	.....

TOTAL SEASONAL FLOW = 5205 DAM3 = 342 AREA MM
MEAN DAILY DISCHARGE = .437 CMS
MAX DAILY DISCHARGE = .935 CMS MAX INST FLOW = 1.169 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .217 CMS

DRAINAGE AREA: 1523 HA LOCATION: 4-12-10-5-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 2.862 x STAGE*2.079
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 119

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SOUTH RACEHORSE CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 17, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	3.450	.989	.333	.116	....
2	....	3.050	.981	.363	.117	....
3	.321	2.424	.973	.393	.119	....
4	.479	1.798	.861	.423	.118	....
5	.637	1.172	.749	.453	.118	....
6	.796	1.907	.714	.483	.117	....
7	.954	2.641	.679	.513	.117	....
8	.880	2.760	.634	.543	.116	....
9	.807	2.878	.590	.507	.116	....
10	.734	2.752	.577	.471	.115	....
11	.661	2.626	.564	.436	.116	....
12	.767	2.499	.536	.400	.116	....
13	.959	2.373	.508	.364	.117	....
14	3.456	2.247	.481	.328	.117	....
15	5.953	2.121	.462	.292	.000	....
16	7.413	1.995	.444	.256	.000	....
17	2.032	1.976	.425	.220	.103	....
18	2.119	1.957	.391	.184	....	....
19	2.206	1.939	.358	.173	....	....
20	2.294	1.920	.324	.162	....	....
21	2.381	1.902	.323	.151	....	....
22	2.468	1.883	.323	.140	....	....
23	2.292	1.695	.322	.129	....	....
24	2.117	1.506	.307	.124	....	....
25	1.941	1.318	.293	.118	....	....
26	1.608	1.315	.278	.113	....	....
27	1.274	1.311	.263	.108	....	....
28	4.830	1.207	.266	.110	....	....
29	8.386	1.102	.269	.111	....	....
30	6.118	.997	.273	.113	....	....
31	3.850		.303	.114		....
MEAN	.....	2.024	.499	.278	.....	.....
MAX.	.....	3.450	.989	.543	.....	.....
MIN.	.....	.997	.263	.108	.....	.....
DAM3	6111	5246	1336	745	150	.....

TOTAL SEASONAL FLOW = 13589 DAM3 = 460 AREA MM
MEAN DAILY DISCHARGE = 1.140 CMS
MAX DAILY DISCHARGE = 8.386 CMS MAX INST FLOW = 7.441 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .103 CMS

DRAINAGE AREA: 2957 HA LOCATION: 16-2-10-5-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 18.561 x STAGE*2.680
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 120

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SCARPE CREEK, BOW/CROW FOREST, 1984
MAY 8, 1984 - SEPTEMBER 18, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	2.184	1.033	.199	.131	....
2	....	2.229	.921	.198	.131	....
3	....	2.274	.809	.198	.131	....
4	....	2.318	.697	.197	.131	....
5	....	2.363	.585	.196	.129	....
6	....	2.407	.558	.195	.126	....
7	....	2.452	.532	.195	.123	....
8	.503	2.496	.505	.194	.121	....
9	.527	2.541	.478	.186	.118	....
10	.551	2.472	.451	.177	.116	....
11	.576	2.403	.425	.169	.113	....
12	.634	2.334	.401	.161	.115	....
13	.693	2.265	.378	.153	.117	....
14	1.116	2.196	.354	.144	.120	....
15	1.538	2.127	.331	.136	.122	....
16	1.961	2.058	.307	.128	.000	....
17	2.384	1.989	.300	.132	.000	....
18	2.806	1.920	.294	.136	.113	....
19	3.229	1.851	.287	.139	....	....
20	2.949	1.782	.276	.143	....	....
21	2.669	1.713	.266	.147	....	....
22	2.388	1.644	.255	.151	....	....
23	2.108	1.575	.230	.148	....	....
24	1.828	1.506	.205	.144	....	....
25	1.873	1.437	.204	.141	....	....
26	1.917	1.379	.209	.138	....	....
27	1.962	1.320	.214	.134	....	....
28	2.006	1.262	.218	.131	....	....
29	2.051	1.204	.212	.131	....	....
30	2.095	1.145	.206	.131	....	....
31	2.140		.200	.131		....
MEAN	.....	1.962	.398	.158	.....	.....
MAX.	.....	2.541	1.033	.199	.....	.....
MIN.	.....	1.145	.200	.128	.....	.....
DAM3	3672	5084	1066	424	169	.....

TOTAL SEASONAL FLOW = 10416 DAM3 = 408 AREA MM
MEAN DAILY DISCHARGE = .900 CMS
MAX DAILY DISCHARGE = 3.229 CMS MAX INST FLOW = 3.970 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .113 CMS

DRAINAGE AREA: 2550 HA LOCATION: 8-30-3-2-W5
PHASE 3 CODE : H16C11C3
RATING CURVE : FLOW = 25.664 x STAGE*2.879
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.STANDARD RAIN GAUGE.

TABLE 121

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SLACKER CREEK, BOW/CROW FOREST, 1984
MAY 22, 1984 - SEPTEMBER 19, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.594	.277	.087	.034	....
2	....	.302	.245	.083	.034	....
3	....	.312	.212	.079	.033	....
4	....	.323	.180	.067	.032	....
5	....	.335	.177	.054	.031	....
6	....	.347	.175	.050	.030	....
7	....	.373	.172	.046	.029	....
8	....	.319	.170	.046	.029	....
9	....	.366	.167	.045	.028	....
10	....	.414	.164	.045	.027	....
11	....	.483	.162	.045	.027	....
12	....	.553	.159	.044	.026	....
13	....	.522	.150	.044	.025	....
14	....	.491	.142	.044	.000	....
15	....	.460	.133	.043	.000	....
16	....	.429	.125	.042	.000	....
17	....	.398	.116	.042	.000	....
18	....	.391	.108	.041	.000	....
19	....	.385	.099	.040	.023	....
20	....	.378	.100	.039	....	....
21	....	.371	.101	.038	....	....
22	.357	.414	.102	.037	....	....
23	.361	.457	.103	.038	....	....
24	.364	.380	.105	.040	....	....
25	.368	.303	.106	.041	....	....
26	.372	.304	.107	.043	....	....
27	.361	.306	.108	.040	....	....
28	.349	.307	.104	.037	....	....
29	.338	.309	.100	.035	....	....
30	.612	.310	.095	.034	....	....
31	.887		.091	.034		....
MEAN	.....	.388	.141	.047	.....	.....
MAX.	.....	.594	.277	.087	.....	.....
MIN.	.....	.302	.091	.034	.....	.....
DAM3	377	1005	376	125	35	.....

TOTAL SEASONAL FLOW = 1919 DAM3 = 147 AREA MM
MEAN DAILY DISCHARGE = .184 CMS
MAX DAILY DISCHARGE = .887 CMS MAX INST FLOW = 1.108 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .023 CMS

DRAINAGE AREA: 1310 HA LOCATION: 3-15-13-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 55.803 * STAGE**4.747
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 122

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR SODA CREEK, BOW/CROW FOREST, 1984
MAY 12, 1984 - SEPTEMBER 19, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.298	.169	.075	.039	....
2	....	.170	.168	.074	.041	....
3	....	.175	.167	.073	.042	....
4	....	.180	.166	.062	.044	....
5	....	.207	.162	.050	.046	....
6	....	.235	.157	.045	.048	....
7	....	.229	.153	.040	.049	....
8	....	.224	.148	.040	.050	....
9	....	.218	.144	.040	.050	....
10	....	.218	.139	.040	.051	....
11	....	.218	.135	.040	.051	....
12	.018	.218	.130	.040	.052	....
13	.076	.223	.125	.040	.052	....
14	.134	.227	.120	.040	.000	....
15	.168	.232	.115	.039	.000	....
16	.195	.236	.110	.040	.000	....
17	.223	.241	.105	.040	.000	....
18	.250	.245	.100	.041	.000	....
19	.278	.250	.095	.041	.045	....
20	.226	.253	.093	.042	....	....
21	.174	.256	.091	.042	....	....
22	.122	.260	.089	.042	....	....
23	.137	.263	.088	.045	....	....
24	.152	.267	.086	.048	....	....
25	.167	.270	.084	.050	....	....
26	.182	.250	.082	.053	....	....
27	.158	.230	.080	.047	....	....
28	.135	.210	.079	.040	....	....
29	.111	.190	.078	.034	....	....
30	.268	.170	.077	.036	....	....
31	.426		.076	.037		....
MEAN	.....	.229	.117	.046	.....	.....
MAX.	.....	.298	.169	.075	.....	.....
MIN.	.....	.170	.076	.034	.....	.....
DAM3	311	593	312	122	57	.....

TOTAL SEASONAL FLOW = 1396 DAM3 = 237 AREA MM
MEAN DAILY DISCHARGE = .123 CMS
MAX DAILY DISCHARGE = .426 CMS MAX INST FLOW = .532 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .042 CMS

DRAINAGE AREA: 590 HA LOCATION: 3-15-13-5-W5
PHASE 3 CODE : H16A14
RATING CURVE : FLOW = 22.814 x STAGE*3.372
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 123

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR VICARY CREEK, BOW/CROW FOREST, 1984
MAY 3, 1984 - SEPTEMBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.704	.686	.241	.112	....
2	....	.775	.639	.233	.112	....
3	.152	.722	.591	.147	.111	....
4	.158	.669	.544	.145	.110	....
5	.165	.611	.531	.144	.110	....
6	.171	.552	.517	.132	.109	....
7	.177	.844	.504	.121	.108	....
8	.183	1.041	.490	.119	.109	....
9	.228	1.091	.477	.117	.110	....
10	.274	1.141	.463	.115	.112	....
11	.204	1.098	.450	.113	.113	....
12	.135	1.055	.436	.111	.114	....
13	.289	1.060	.423	.110	.000	....
14	.443	1.066	.409	.108	.000	....
15	.554	1.071	.396	.106	.000	....
16	.572	1.076	.382	.105	.110	....
17	.590	1.081	.369	.105	....	....
18	.607	1.042	.355	.104	....	....
19	.625	1.004	.342	.103	....	....
20	.643	.966	.334	.103	....	....
21	.660	.928	.326	.102	....	....
22	.678	.905	.319	.102	....	....
23	.652	.882	.311	.106	....	....
24	.626	.859	.303	.110	....	....
25	.566	.840	.295	.114	....	....
26	.599	.821	.288	.114	....	....
27	.632	.799	.280	.114	....	....
28	.770	.777	.272	.116	....	....
29	.908	.755	.264	.110	....	....
30	1.770	.733	.257	.110	....	....
31	2.632		.249	.111		....
MEAN	.....	.932	.403	.122	.....	.....
MAX.	.....	1.704	.686	.241	.....	.....
MIN.	.....	.552	.249	.102	.....	.....
DAM3	1440	2417	1080	328	124	.....

TOTAL SEASONAL FLOW = 5389 DAM3 = 215 AREA MM
MEAN DAILY DISCHARGE = .455 CMS
MAX DAILY DISCHARGE = 2.632 CMS MAX INST FLOW = 3.290 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .102 CMS

DRAINAGE AREA: 2510 HA LOCATION: 14-21-9-4-W5
PHASE 3 CODE : H16A16
RATING CURVE : FLOW = 24.421 × STAGE*2.818
COMMENTS : FLOWS CALCULATED USING CENTROID CREST GAUGE MEASUREMENTS.

TABLE 124

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR WHITNEY CREEK, BOW/CROW FOREST, 1984
MAY 7, 1984 - SEPTEMBER 18, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.505	.250	.103	.045	....
2	....	.431	.251	.101	.047	....
3	....	.358	.253	.098	.049	....
4	....	.284	.254	.095	.051	....
5	....	.294	.235	.092	.051	....
6	....	.304	.216	.089	.051	....
7	.160	.275	.184	.084	.050	....
8	.197	.302	.153	.080	.050	....
9	.234	.328	.149	.076	.050	....
10	.269	.326	.146	.072	.050	....
11	.263	.323	.138	.072	.047	....
12	.257	.354	.130	.071	.044	....
13	.273	.384	.122	.071	.042	....
14	.584	.400	.123	.069	.039	....
15	.895	.415	.123	.068	.039	....
16	1.141	.388	.124	.066	.039	....
17	.777	.360	.118	.065	.040	....
18	.604	.332	.112	.063	.040	....
19	.577	.321	.106	.062	....	....
20	.549	.310	.100	.060	....	....
21	.522	.299	.094	.059	....	....
22	.471	.381	.094	.057	....	....
23	.421	.462	.093	.055	....	....
24	.393	.461	.093	.054	....	....
25	.366	.459	.093	.052	....	....
26	.339	.430	.096	.051	....	....
27	.330	.402	.098	.049	....	....
28	.322	.373	.101	.048	....	....
29	.417	.345	.102	.046	....	....
30	.532	.297	.104	.045	....	....
31	.519		.105	.043		....
MEAN	.....	.363	.141	.068	.....	.....
MAX.	.....	.505	.254	.103	.....	.....
MIN.	.....	.275	.093	.043	.....	.....
DAM3	986	942	377	183	71	.....

TOTAL SEASONAL FLOW = 2559 DAM3 = 120 AREA MM
MEAN DAILY DISCHARGE = .219 CMS
MAX DAILY DISCHARGE = 1.141 CMS MAX INST FLOW = 1.141 CMS
MIN DAILY DISCHARGE = .039 CMS MIN INST FLOW = .040 CMS

DRAINAGE AREA: 2141 HA LOCATION: 12-1-5-2-W5
PHASE 3 CODE : H16C10C3
RATING CURVE : FLOW = 33.248 × STAGE*3.357
COMMENTS : FLOWS CALCULATED USING CREST GAUGE.

TABLE 125

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR BULL CREEK, GRANDE PRAIRIE FOREST, 1984
JUNE 16, 1984 - OCTOBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.248	.053	.043	.377
2	....	....	.160	.052	.042	.334
3	....	....	.126	.052	.039	.302
4	....	....	.109	.043	.034	.278
5	....	....	.110	.044	.037	.244
6	....	....	.123	.049	.118	.218
7	....	....	.117	.037	1.417	.201
8	....	....	.115	.036	.775	.191
9	....	....	.102	.046	.536	.184
10	....	....	.090	.102	1.063	.178
11	....	....	.083	.073	2.157	.174
12	....	....	.088	.064	3.942	.157
13	....	....	.084	.079	2.294	.150
14	....	....	.074	.075	1.526	.175
15	....	....	.068	.094	.964	.215
16	....	.6[illegible]	.062	.088	.651	.228
17	....	.596	.057	.077	.491	....
18	....	.445	.052	.073	.395	....
19	....	.367	.049	.073	.330	....
20	....	.338	.046	.066	.285	....
21	....	.301	.055	.060	1.608	....
22	....	.276	.061	.057	1.512	....
23	....	.255	.054	.054	.993	....
24	....	.213	.045	.055	.746	....
25	....	.179	.039	.053	.621	....
26	....	.140	.040	.049	.503	....
27	....	.133	.036	.044	.434	....
28	....	.119	.033	.041	.393	....
29	....	.141	.033	.039	.388	....
30	....	.282	.030	.036	.413	....
31	....		.031	.036		....
MEAN	.....	.....	.078	.058	.825	.....
MAX.	.....	.....	.248	.102	3.942	.....
MIN.	.....	.....	.030	.036	.034	.....
DAM3	.....	383	209	156	2138	312

TOTAL SEASONAL FLOW = 3198 DAM3 = 48 AREA MM
MEAN DAILY DISCHARGE = .301 CMS
MAX DAILY DISCHARGE = 3.942 CMS MAX INST FLOW = 4.800 CMS
MIN DAILY DISCHARGE = .030 CMS MIN INST FLOW = .027 CMS

DRAINAGE AREA: 6620 HA LOCATION: 1-65-8-W6
PHASE 3 CODE : A9C17A12
RATING CURVE : FLOW = 643.195 × STAGE*6.597
COMMENTS : STEVENS RECORDER S.N. 108148-83. BELFORT RAIN GAUGE 274. ISCO SAMPLER A2713.

TABLE 126

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR CALAHOO CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 1, 1984 - OCTOBER 1, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	.083	.566	.096	.077	.082	.142
2	.091	.528	.088	.071	.086	....
3	.084	.467	.077	.071	.086	....
4	.079	.415	.067	.072	.083	....
5	.073	.384	.071	.071	.078	....
6	.072	.542	.068	.070	.051	....
7	.074	.676	.059	.078	.040	....
8	.075	1.124	.053	.080	.041	....
9	.138	1.212	.047	.081	.043	....
10	.253	1.012	.042	.088	.041	....
11	.256	.822	.041	.097	.045	....
12	.311	.838	.040	.096	.151	....
13	.336	.955	.041	.093	.314	....
14	.335	.815	.040	.090	.291	....
15	.319	.652	.041	.082	.265	....
16	.591	.528	.043	.080	.232	....
17	1.478	.421	.044	.076	.214	....
18	1.286	.332	.046	.071	.181	....
19	1.080	.333	.050	.072	.160	....
20	.989	.283	.050	.073	.148	....
21	.873	.272	.054	.075	.141	....
22	.732	.245	.055	.071	.184	....
23	.649	.213	.056	.064	.158	....
24	.572	.200	.054	.071	.155	....
25	.495	.164	.055	.070	.165	....
26	.416	.141	.062	.070	.164	....
27	.426	.129	.070	.070	.158	....
28	.397	.124	.071	.070	.154	....
29	.348	.117	.072	.073	.147	....
30	.426	.105	.080	.077	.149	....
31	.443		.083	.076		....
MEAN	.445	.487	.059	.077	.140	.....
MAX.	1.478	1.212	.096	.097	.314	.....
MIN.	.072	.105	.040	.064	.040	.....
DAM3	1191	1263	157	205	363	12

TOTAL SEASONAL FLOW = 3191 DAM3 = 39 AREA MM
MEAN DAILY DISCHARGE = .240 CMS
MAX DAILY DISCHARGE = 1.478 CMS MAX INST FLOW = 2.770 CMS
MIN DAILY DISCHARGE = .040 CMS MIN INST FLOW = .040 CMS

DRAINAGE AREA: 8280 HA LOCATION: 19-68-12-W6
PHASE 3 CODE : A9B20D3
RATING CURVE : FLOW = .41 - 4.361(STAGE) + 12.84(STAGE)*2
COMMENTS : STEVENS,BELFORT RAIN GAUGE,ISCO SAMPLER,SANGAMO RAIN GAUGE ON SITE.

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TABLE 127

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DEEP VALLEY CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 17, 1984 - OCTOBER 14, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.640	.365	.123	.168	1.058
2	....	.551	.282	.137	.175	1.196
3	....	.498	.241	.733	.166	1.311
4	....	.446	.216	.451	.150	1.171
5	....	.581	.212	.290	.145	.887
6	....	1.735	.272	.230	.997	.728
7	....	2.363	.396	.194	6.728	.587
8	....	5.103	.389	.164	3.512	.521
9	....	3.386	.303	.145	2.582	.455
10	....	1.795	.250	.137	3.028	.433
11	....	1.185	.213	.130	3.644	.401
12	....	.871	.247	.120	4.994	.369
13	....	.719	.242	.126	2.810	.344
14	....	.591	.213	.144	1.658	.469
15	....	.506	.186	.248	1.095	....
16	....	.548	.153	.263	.788	....
17	14.439	.542	.150	.207	.646	....
18	10.610	.471	.139	.198	.871	....
19	5.722	.448	.130	.264	1.241	....
20	3.759	.429	.127	.247	1.503	....
21	2.469	.433	.145	.214	16.736	....
22	1.786	.544	.195	.179	9.766	....
23	1.451	.512	.179	.155	3.930	....
24	1.331	.425	.151	.148	2.445	....
25	1.093	.364	.132	.136	1.766	....
26	.906	.296	.125	.130	1.345	....
27	.816	.321	.118	.128	1.071	....
28	.686	.304	.116	.140	.943	....
29	.727	.309	.131	.132	.875	....
30	.769	.433	.131	.125	.888	....
31	.675		.121	.126		....
MEAN	.....	.912	.202	.199	2.556	.....
MAX.	.....	5.103	.396	.733	16.736	.....
MIN.	.....	.296	.116	.120	.145	.....
DAM3	4081	2363	542	533	6624	858

TOTAL SEASONAL FLOW = 15001 DAM3 = 152 AREA MM
MEAN DAILY DISCHARGE = 1.150 CMS
MAX DAILY DISCHARGE = 16.736 CMS MAX INST FLOW = 19.200 CMS
MIN DAILY DISCHARGE = .116 CMS MIN INST FLOW = .110 CMS

DRAINAGE AREA: 9870 HA LOCATION: 2-63-25-W5
PHASE 3 CODE : A9B14C2
RATING CURVE : FLOW = 29.685 x STAGE*4.226
COMMENTS : STEVENS RECORDER,BELFORT RAIN GAUGE,SANGAMO RAIN GAUGE ON SITE.

TABLE 128

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR GUNDERSON CREEK, GRANDE PRAIRIE FOREST, 1984
JUNE 14, 1984 - SEPTEMBER 26, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.723	.166	.201	....
2	....	....	.578	.166	.267	....
3	....	....	.519	.170	.343	....
4	....	....	.492	.170	.403	....
5	....	....	.517	.177	.452	....
6	....	....	.531	.175	.337	....
7	....	....	.505	.177	.272	....
8	....	....	.440	.167	.216	....
9	....	....	.398	.175	.176	....
10	....	....	.360	.172	.309	....
11	....	....	.333	.183	.293	....
12	....	....	.376	.189	.313	....
13	....	....	.449	.166	.334	....
14	....	1.562	.392	.171	.245	....
15	....	1.252	.332	.177	.207	....
16	....	1.112	.283	.172	.201	....
17	....	.943	.258	.166	.232	....
18	....	.795	.237	.167	.290	....
19	....	.717	.228	.172	.294	....
20	....	.684	.221	.174	.315	....
21	....	.647	.247	.180	.679	....
22	....	.652	.313	.191	.988	....
23	....	.633	.296	.212	.821	....
24	....	.616	.251	.223	.679	....
25	....	.621	.212	.232	.621	....
26	....	.627	.187	.239	.590	....
27	....	.622	.176	.252	....	....
28	....	.586	.169	.271	....	....
29	....	.589	.166	.272	....	....
30	....	.776	.166	.280	....	....
31	....		.166	.288		....
MEAN	.....	.....	.339	.197	.....	.....
MAX.	.....	.....	.723	.288	.....	.....
MIN.	.....	.....	.166	.166	.....	.....
DAM3	.....	1161	909	526	871	.....

TOTAL SEASONAL FLOW = 3467 DAM3 = 41 AREA MM
MEAN DAILY DISCHARGE = .382 CMS
MAX DAILY DISCHARGE = 1.562 CMS MAX INST FLOW = 1.720 CMS
MIN DAILY DISCHARGE = .166 CMS MIN INST FLOW = .160 CMS

DRAINAGE AREA: 8520 HA LOCATION: 29-63-11-W6
PHASE 3 CODE : A9D18D1
RATING CURVE : FLOW = 2.195 - 16.618(STAGE) + 34.111(STAGE)*2
COMMENTS : STEVENS,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON SITE.

TABLE 129

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LATORNELL RIVER, GRANDE PRAIRIE FOREST, 1984
MAY 16, 1984 - OCTOBER 15, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.471	.835	.356	.371	1.167
2	....	1.284	.631	.426	.375	1.165
3	....	1.138	.510	.430	.383	1.163
4	....	1.084	.472	.384	.379	1.089
5	....	1.269	.493	.367	.380	.928
6	....	3.361	.820	.370	.623	.805
7	....	4.594	1.178	.364	4.294	.752
8	....	7.955	1.054	.367	2.501	.700
9	....	7.021	.743	.363	1.733	.671
10	....	3.854	.585	.365	2.451	.638
11	....	2.632	.501	.374	2.271	.606
12	....	2.883	.490	.375	2.620	.603
13	....	3.004	.642	.369	1.952	.574
14	....	2.202	.529	.364	1.389	.630
15	....	1.778	.436	.384	1.095	.916
16	3.697	1.558	.418	.388	.826	....
17	18.704	1.446	.415	.370	.723	....
18	12.850	1.240	.408	.373	.804	....
19	6.816	1.131	.400	.364	1.178	....
20	4.728	1.027	.396	.351	1.129	....
21	3.521	.894	.360	.356	9.670	....
22	2.951	.813	.391	.346	8.685	....
23	2.472	.803	.398	.349	4.347	....
24	2.354	.733	.363	.353	2.814	....
25	2.018	.644	.358	.348	2.177	....
26	1.790	.563	.366	.340	1.765	....
27	1.699	.697	.365	.344	1.468	....
28	1.518	.745	.361	.354	1.255	....
29	1.577	.639	.361	.353	1.125	....
30	1.655	.982	.365	.357	1.104	....
31	1.514		.365	.356		....
MEAN	.....	1.981	.516	.366	2.063	.....
MAX.	.....	7.955	1.178	.430	9.670	.....
MIN.	.....	.563	.358	.340	.371	.....
DAM3	6036	5136	1383	982	5347	1072

TOTAL SEASONAL FLOW = 19956 DAM3 = 111 AREA MM
MEAN DAILY DISCHARGE = 1.510 CMS
MAX DAILY DISCHARGE = 18.704 CMS MAX INST FLOW = 22.000 CMS
MIN DAILY DISCHARGE = .340 CMS MIN INST FLOW = .310 CMS

DRAINAGE AREA: 17900 HA LOCATION: 12-64-2-W6
PHASE 3 CODE : A9B15B3
RATING CURVE : FLOW = 0.152 + 0.884(STAGE) + 16.821(STAGE)*2
COMMENTS : STEVENS,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON SITE.

TABLE 130

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR LITTLE GRIZZLY CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 15, 1984 - OCTOBER 1, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.110	.140	.064	.043	.175
2	....	.102	.123	.065	.041	....
3	....	.097	.114	.062	.038	....
4	....	.101	.114	.062	.036	....
5	....	.105	.145	.058	.032	....
6	....	.119	.161	.063	.126	....
7	....	.202	.154	.059	.129	....
8	....	.327	.130	.056	.070	....
9	....	.266	.119	.057	.092	....
10	....	.196	.110	.058	.097	....
11	....	.172	.105	.055	.221	....
12	....	.167	.111	.050	.212	....
13	....	.159	.104	.050	.174	....
14	....	.142	.097	.058	.123	....
15	.088	.132	.091	.071	.097	....
16	.243	.238	.089	.063	.085	....
17	.290	.194	.086	.056	.098	....
18	.174	.160	.084	.057	.157	....
19	.140	.151	.082	.057	.144	....
20	.129	.139	.083	.053	.138	....
21	.107	.150	.105	.053	.181	....
22	.096	.149	.116	.051	.184	....
23	.094	.149	.091	.051	.156	....
24	.091	.133	.086	.049	.142	....
25	.087	.119	.082	.049	.130	....
26	.086	.113	.076	.049	.124	....
27	.088	.127	.071	.046	.120	....
28	.090	.115	.068	.045	.123	....
29	.115	.142	.071	.042	.123	....
30	.119	.103	.066	.044	.137	....
31	.113		.067	.043		....
MEAN	.....	.155	.101	.055	.119	.....
MAX.	.....	.327	.161	.071	.221	.....
MIN.	.....	.097	.066	.042	.032	.....
DAM3	186	403	271	147	309	15

TOTAL SEASONAL FLOW = 1330 DAM3 = 85 AREA MM
MEAN DAILY DISCHARGE = .110 CMS
MAX DAILY DISCHARGE = .327 CMS MAX INST FLOW = .475 CMS
MIN DAILY DISCHARGE = .032 CMS MIN INST FLOW = .030 CMS

DRAINAGE AREA: 1560 HA LOCATION: 8-61-7-W6
PHASE 3 CODE : A9C16A17
RATING CURVE : FLOW = 6.626×STAGE*3.038
COMMENTS :

TABLE 131

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR RED ROCK CREEK, GRANDE PRAIRIE FOREST, 1984
MAY 30, 1984 - OCTOBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	1.423	.209	.035	.002	.807
2	....	1.910	.128	.025	.003	1.966
3	....	1.285	.088	.037	.001	2.462
4	....	1.077	.072	.032	.001	2.192
5	....	1.013	.100	.018	.002	1.699
6	....	1.351	.128	.054	.109	1.139
7	....	5.591	.164	.046	.456	.845
8	....	4.846	.142	.020	.436	.675
9	....	3.647	.104	.010	.645	.618
10	....	1.899	.068	.021	1.061	.518
11	....	1.204	.046	.015	1.665	.455
12	....	1.060	.176	.006	2.691	.393
13	....	1.144	.226	.014	2.697	.387
14	....	.705	.140	.028	1.601	.325
15	....	.479	.089	.056	1.023	.309
16	....	.557	.057	.036	.748	.305
17	....	.414	.042	.018	.747	....
18	....	.255	.028	.013	.640	....
19	....	.177	.017	.012	.522	....
20	....	.147	.013	.007	.435	....
21	....	.185	.063	.003	.496	....
22	....	.357	.181	.001	.467	....
23	....	.283	.107	.000	.421	....
24	....	.185	.063	.000	.374	....
25	....	.139	.033	.000	.331	....
26	....	.118	.017	.002	.303	....
27	....	.145	.010	.001	.284	....
28	....	.131	.007	.001	.226	....
29	....	.149	.002	.001	.265	....
30	1.336	.322	.003	.001	.506	....
31	1.433		.057	.001		....
MEAN	.....	1.073	.083	.017	.639	.....
MAX.	.....	5.591	.226	.056	2.697	.....
MIN.	.....	.118	.002	.000	.001	.....
DAM3	239	2782	223	44	1655	1304

TOTAL SEASONAL FLOW = 6248 DAM3 = 158 AREA MM
MEAN DAILY DISCHARGE = .517 CMS
MAX DAILY DISCHARGE = 5.591 CMS MAX INST FLOW = 6.700 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .050 CMS

DRAINAGE AREA: 3960 HA LOCATION: 4-63-9-W6
PHASE 3 CODE : A9C16E3
RATING CURVE : FLOW = 11.109 × STAGE*1.868
COMMENTS : RICHARD WATER LEVEL RECORDER,BELFORT-SANGAMO RAIN GAUGES,ISCO WATER SAMPLER ON S

TABLE 132

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR WOLF CREEK, GRANDE PRAIRIE FOREST, 1984
JUNE 16, 1984 - OCTOBER 16, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.267	.068	.061	1.425
2	...	....	.215	.126	.059	2.237
3	....	....	.191	.302	.058	2.125
4	....	....	.171	.158	.057	1.675
5	....	....	.202	.099	.059	1.163
6	....	....	.201	.092	.426	.827
7	....	....	.194	.079	.706	.682
8	....	....	.168	.072	.428	.578
9	....	....	.149	.068	.819	.535
10	....	....	.138	.071	1.353	.469
11	....	....	.130	.066	2.967	.421
12	....	....	.160	.063	4.669	.385
13	....	....	.160	.083	3.627	.355
14	....	....	.126	.087	1.662	.352
15	....	....	.111	.152	.969	.342
16	....	.716	.103	.115	.687	.343
17	....	.615	.094	.093	.586	....
18	....	.524	.087	.096	.495	....
19	....	.476	.083	.087	.414	....
20	....	.446	.082	.077	.459	....
21	....	.462	.112	.071	1.787	....
22	....	.430	.173	.065	1.636	....
23	....	.394	.114	.064	.950	....
24	....	.355	.094	.060	.774	....
25	....	.319	.085	.058	.622	....
26	....	.236	.078	.061	.548	....
27	....	.248	.074	.057	.528	....
28	....	.219	.071	.054	.503	....
29	....	.274	.071	.051	.527	....
30	....	.384	.067	.056	.856	....
31	....		.066	.056		....
MEAN	.....	.....	.130	.087	.976	.....
MAX.	.....	.....	.267	.302	4.669	.....
MIN.	.....	.....	.066	.051	.057	.....
DAM3	.....	527	349	234	2531	1202

TOTAL SEASONAL FLOW = 4843 DAM3 = 56 AREA MM
MEAN DAILY DISCHARGE = .456 CMS
MAX DAILY DISCHARGE = 4.669 CMS MAX INST FLOW = 7.157 CMS
MIN DAILY DISCHARGE = .051 CMS MIN INST FLOW = .047 CMS

DRAINAGE AREA: 8590 HA LOCATION: 30-63-8-W6
PHASE 3 CODE : A9C16C3
RATING CURVE : FLOW = 198.077 * STAGE*4.847
COMMENTS : STEVENS RECORDER,BELFORT-SANGAMO-SACRAMENTO RAIN GAUGES,ISCO SAMPLER ON SITE.

TABLE 133

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR BAKER CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 1, 1984 - SEPTEMBER 27, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	.334	.310	.275	.063	.037	....
2	.347	.305	.222	.064	.034	....
3	.783	.295	.182	.106	.029	....
4	.862	.265	.166	.129	.029	....
5	.723	.487	.157	.099	.026	....
6	.648	.733	.172	.089	.238	....
7	.607	.622	.168	.091	1.079	....
8	.540	1.115	.149	.074	.765	....
9	.506	1.132	.134	.059	.748	....
10	.469	.867	.127	.049	.732	....
11	.420	.671	.115	.066	.880	....
12	.371	.532	.119	.056	.893	....
13	.343	.476	.197	.050	.840	....
14	.341	.429	.179	.031	.743	....
15	.337	.382	.147	.030	.588	....
16	.828	.410	.125	.030	.485	....
17	1.793	.429	.117	.023	.399	....
18	1.300	.390	.131	.024	.338	....
19	.951	.397	.128	.015	.304	....
20	.733	.394	.252	.013	.396	....
21	.586	.340	.287	.013	1.320	....
22	.501	.301	.239	.013	1.603	....
23	.431	.294	.189	.008	1.245	....
24	.423	.265	.135	.051	.953	....
25	.392	.243	.112	.108	.745	....
26	.353	.225	.092	.061	.583	....
27	.342	.213	.078	.049	.466	....
28	.307	.194	.071	.046	....	....
29	.283	.216	.070	.036	....	....
30	.264	.372	.076	.021	....	....
31	.322		.069	.034		....
MEAN	.563	.443	.151	.052	.....	.....
MAX.	1.793	1.132	.287	.129	.....	.....
MIN.	.264	.194	.069	.008	.....	.....
DAM3	1507	1149	404	138	1425	.....

TOTAL SEASONAL FLOW = 4624 DAM3 = 72 AREA MM
MEAN DAILY DISCHARGE = .357 CMS
MAX DAILY DISCHARGE = 1.793 CMS MAX INST FLOW = 1.932 CMS
MIN DAILY DISCHARGE = .008 CMS MIN INST FLOW = .001 CMS

DRAINAGE AREA: 6392 HA LOCATION: 3-30-46-14-W5
PHASE 3 CODE : 13D17A5
RATING CURVE : FLOW = 0.583 - 3.982(STAGE) + 4.621(STAGE)*2
COMMENTS : STEVENS RECORDER USED S.N. 110987

TABLE 134

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR BUSTER CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 1, 1984 - SEPTEMBER 30, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	.069	.152	.088	.014	.013	....
2	.067	.132	.074	.014	.013	....
3	.083	.108	.067	.014	.013	....
4	.105	.097	.053	.013	.013	....
5	.103	.172	.052	.016	.013	....
6	.129	.259	.048	.015	.069	....
7	.108	.249	.050	.020	.213	....
8	.102	.584	.042	.025	.130	....
9	.108	.887	.040	.017	.113	....
10	.094	.858	.036	.014	.132	....
11	.080	.691	.028	.016	.271	....
12	.078	.540	.025	.016	.534	....
13	.091	.435	.034	.019	.420	....
14	.104	.350	.034	.026	.363	....
15	.100	.309	.027	.018	.292	....
16	.232	.441	.031	.015	.244	....
17	.428	.345	.035	.015	.208	....
18	.356	.282	.031	.015	.178	....
19	.292	.281	.029	.015	.159	....
20	.254	.280	.061	.018	.169	....
21	.221	.228	.084	.017	.617	....
22	.191	.194	.075	.016	.987	....
23	.205	.166	.022	.016	.930	....
24	.146	.140	.019	.016	.822	....
25	.158	.117	.018	.015	.721	....
26	.127	.096	.015	.015	.601	....
27	.136	.083	.017	.014	.502	....
28	.146	.072	.015	.013	.420	....
29	.137	.070	.014	.014	.373	....
30	.123	.108	.014	.013	.336	....
31	.148		.013	.013		....
MEAN	.152	.291	.038	.016	.....	.....
MAX.	.428	.887	.088	.026	.....	.....
MIN.	.067	.070	.013	.013	.....	.....
DAM3	408	754	103	43	853	.....

TOTAL SEASONAL FLOW = 2160 DAM3 = 37 AREA MM
MEAN DAILY DISCHARGE = .163 CMS
MAX DAILY DISCHARGE = .987 CMS MAX INST FLOW = 1.012 CMS
MIN DAILY DISCHARGE = .013 CMS MIN INST FLOW = .013 CMS

DRAINAGE AREA: 5800 HA LOCATION: 9-6-41-8-W5
PHASE 3 CODE : H13C12K3
RATING CURVE : FLOW = 0.767 - 2.751(STAGE) + 2.509(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 82395-77 ISCO SAMPLER S.N.A-2699-12

TABLE 135

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR CLARK CREEK, ROCKY-CLEARWATER FOREST, 1984
JULY 31, 1984 - OCTOBER 4, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	....	.001	.013	.051
2	....	....	....	.001	.012	.065
3	....	....	....	.001	.009	.088
4	....	....	....	.031	.006	.101
5	....	....	....	.032	.007	....
6	....	....	....	.027	.042	....
7	....	....	....	.024	.052	....
8	....	....	....	.021	.037	....
9	....	....	....	.018	.031	....
10	....	....	....	.016	.032	....
11	....	....	....	.025	.000	....
12	....	....	....	.019	.000	....
13	....	....	....	.017	.000	....
14	....	....	....	.018	.000	....
15	....	....	....	.017	.000	....
16	....	....	....	.016	.000	....
17	....	....	....	.015	.000	....
18	....	....	....	.016	.000	....
19	....	....	....	.020	.000	....
20	....	....	....	.016	.008	....
21	....	....	....	.017	.000	....
22	....	....	....	.017	.000	....
23	....	....	....	.017	.000	....
24	....	....	....	.017	.000	....
25	....	....	....	.016	.053	....
26	....	....	....	.014	.052	....
27	....	....	....	.015	.050	....
28	....	....	....	.016	.050	....
29	....	....	....	.014	.049	....
30	....	....	....	.014	.049	....
31	....		.001	.013		....
MEAN	.....	.....	.....	.017	.018	.....
MAX.	.....	.....	.....	.032	.053	.....
MIN.	.....	.....	.....	.001	.000	.....
DAM3	.....	.....	0	45	48	26

TOTAL SEASONAL FLOW = 119 DAM3 = 12 AREA MM
MEAN DAILY DISCHARGE = .021 CMS
MAX DAILY DISCHARGE = .101 CMS MAX INST FLOW = .012 CMS
MIN DAILY DISCHARGE = .000 CMS MIN INST FLOW = .006 CMS

DRAINAGE AREA: 1000 HA LOCATION: 12-35-43-18-W5
PHASE 3 CODE : H13D18B8
RATING CURVE : FLOW = -3.673 + 0.693(STAGE)
COMMENTS : STEVENS RECORDER S.N. 79634-77 ISCO SAMPLER S.N. A2699-26

TABLE 136

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR CLINE CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 4, 1984 - OCTOBER 3, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.163	.396	.148	.122	.124
2	....	.208	.374	.149	.119	.129
3	....	.216	.352	.151	.120	.134
4	.104	.178	.333	.144	.115	....
5	.105	.187	.320	.140	.113	....
6	.106	.372	.312	.142	.131	....
7	.107	.525	.274	.141	.123	....
8	.110	.694	.249	.140	.119	....
9	.113	.558	.247	.139	.119	....
10	.109	.723	.227	.135	.121	....
11	.109	.996	.226	.133	.122	....
12	.110	1.167	.231	.140	.126	....
13	.117	1.117	.232	.139	.117	....
14	.145	1.027	.220	.132	.115	....
15	.238	.950	.214	.132	.113	....
16	.176	.735	.198	.127	.111	....
17	.155	.610	.190	.130	.110	....
18	.148	.541	.195	.131	.110	....
19	.156	.498	.200	.130	.109	....
20	.165	.484	.204	.124	.112	....
21	.157	.517	.188	.126	.119	....
22	.162	.567	.183	.125	.118	....
23	.168	.626	.193	.126	.116	....
24	.164	.574	.184	.122	.115	....
25	.150	.562	.181	.127	.114	....
26	.138	.542	.174	.126	.116	....
27	.134	.543	.165	.135	.118	....
28	.129	.550	.162	.130	.119	....
29	.496	.544	.161	.129	.123	....
30	1.158	.439	.156	.127	.124	....
31	.473		.151	.128		....
MEAN	.....	.580	.229	.134	.118	.....
MAX.	.....	1.167	.396	.151	.131	.....
MIN.	.....	.163	.151	.122	.109	.....
DAM3	484	1504	613	358	305	33

TOTAL SEASONAL FLOW = 3298 DAM3 = 107 AREA MM
MEAN DAILY DISCHARGE = .249 CMS
MAX DAILY DISCHARGE = 1.167 CMS MAX INST FLOW = 1.750 CMS
MIN DAILY DISCHARGE = .104 CMS MIN INST FLOW = .104 CMS

DRAINAGE AREA: 3087 HA LOCATION: 12-26-37-18-W5
PHASE 3 CODE : H13C12A12
RATING CURVE : FLOW = 801.782 - 268.687(STAGE) + 22.513(STAGE)*2
COMMENTS : STEVENS RECORDER 79632-77

TABLE 137

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR DRY CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 9, 1984 - OCTOBER 8, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.199	.156	.528	.042	.168
2	....	.143	.155	.566	.043	.228
3	....	.118	.161	.615	.044	.389
4	....	.106	.181	.594	.042	.526
5	....	.302	.205	.598	.044	.517
6	....	.440	.209	.590	.181	.410
7	....	.392	.212	.378	.483	.340
8	....	1.099	.205	.048	.189	.323
9	.114	2.505	.206	.045	.159	....
10	.127	1.706	.215	.044	.179	....
11	.164	.971	.232	.044	.186	....
12	.245	.679	.252	.052	.202	....
13	.212	.512	.275	.052	.238	....
14	.174	.404	.259	.047	.355	....
15	.173	.338	.242	.046	.286	....
16	.138	.336	.216	.046	.197	....
17	.033	.327	.200	.045	.153	....
18	.122	.274	.183	.043	.127	....
19	.167	.284	.126	.041	.110	....
20	.141	.307	.059	.040	.116	....
21	.115	.277	.063	.038	.197	....
22	.083	.240	.078	.039	.214	....
23	.053	.240	.146	.040	.198	....
24	.031	.202	.181	.043	.182	....
25	.023	.172	.362	.046	.170	....
26	.026	.155	.444	.041	.150	....
27	.058	.141	.476	.038	.144	....
28	.088	.115	.469	.036	.138	....
29	.102	.124	.512	.038	.134	....
30	.099	.167	.486	.038	.144	....
31	.191		.522	.041		....
MEAN	.....	.442	.248	.158	.168	.....
MAX.	.....	2.505	.522	.615	.483	.....
MIN.	.....	.106	.059	.036	.042	.....
DAM3	231	1147	664	423	436	251

TOTAL SEASONAL FLOW = 3153 DAM3 = 74 AREA MM
MEAN DAILY DISCHARGE = .238 CMS
MAX DAILY DISCHARGE = 2.505 CMS MAX INST FLOW = 2.780 CMS
MIN DAILY DISCHARGE = .023 CMS MIN INST FLOW = .022 CMS

DRAINAGE AREA: 4280 HA LOCATION: 16-4-38-10-W5
PHASE 3 CODE : H13A11E1
RATING CURVE : FLOW = 18.991 - 29.584(STAGE) + 11.535(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 107916-83 ISCO SAMPLER
S.N.A2902-23 CURRENT METER ENR 5

TABLE 138

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR EASY CREEK, ROCKY-CLEARWATER FOREST, 1984
JUNE 13, 1984 - OCTOBER 3, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	....	.189	.055	.008	.067
2	....	....	.179	.055	.007	.135
3	....	....	.155	.050	.005	.190
4	....	....	.147	.046	.005	....
5	....	....	.139	.047	.006	....
6	....	....	.156	.045	.170	....
7	....	....	.132	.042	.227	....
8	....	....	.122	.035	.145	....
9	....	....	.114	.034	.139	....
10	....	....	.104	.032	.143	....
11	....	....	.101	.029	.140	....
12	....	....	.115	.027	.142	....
13	....	.704	.123	.030	.146	....
14	....	.603	.104	.025	.157	....
15	....	.545	.093	.024	.157	....
16	....	.502	.089	.021	.155	....
17	....	.452	.086	.020	.153	....
18	....	.410	.085	.022	.150	....
19	....	.404	.080	.019	.149	....
20	....	.369	.091	.017	.158	....
21	....	.320	.088	.014	.136	....
22	....	.310	.089	.012	.124	....
23	....	.300	.073	.013	.114	....
24	....	.271	.066	.011	.103	....
25	....	.253	.062	.011	.098	....
26	....	.241	.057	.008	.096	....
27	....	.230	.060	.007	.097	....
28	....	.219	.068	.008	.095	....
29	....	.214	.068	.007	.093	....
30	....	.203	.061	.006	.067	....
31	....		.056	.009		....
MEAN	.....	.....	.102	.025	.113	.....
MAX.	.....	.....	.189	.055	.227	.....
MIN.	.....	.....	.056	.006	.005	.....
DAM3	.....	566	272	67	292	34

TOTAL SEASONAL FLOW = 1232 DAM3 = 65 AREA MM
MEAN DAILY DISCHARGE = .126 CMS
MAX DAILY DISCHARGE = .704 CMS MAX INST FLOW = .765 CMS
MIN DAILY DISCHARGE = .005 CMS MIN INST FLOW = .004 CMS

DRAINAGE AREA: 1898 HA LOCATION: 7-25-38-13-W5
PHASE 3 CODE : H13A11E1
RATING CURVE : FLOW = 4.707 - 10.629(STAGE) + 5.961(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 107914-83 ISCO SAMPLER A2902-19

TABLE 139

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR INDIAN CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 1, 1984 - OCTOBER 13, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	.094	.164	.174	.012	.072	.311
2	.099	.138	.145	.011	.075	.309
3	.226	.122	.115	.017	.079	.311
4	.301	.118	.103	.017	.087	.308
5	.267	.233	.092	.027	.100	.288
6	.254	.326	.093	.025	.172	.263
7	.239	.306	.105	.051	.382	.246
8	.221	.635	.080	.034	.280	.226
9	.204	1.107	.072	.025	.259	.209
10	.187	.998	.062	.023	.252	.198
11	.181	.746	.055	.051	.292	.173
12	.182	.563	.048	.124	.395	.167
13	.183	.461	.078	.051	.372	.156
14	.176	.370	.074	.036	.362	....
15	.178	.232	.050	.035	.312	....
16	.376	.533	.044	.028	.274	....
17	.665	.457	.039	.025	.240	....
18	.519	.405	.043	.024	.194	....
19	.424	.411	.029	.026	.181	....
20	.371	.471	.043	.029	.211	....
21	.303	.378	.073	.030	.688	....
22	.263	.331	.060	.029	1.007	....
23	.237	.301	.048	.036	.836	....
24	.238	.253	.037	.050	.674	....
25	.227	.218	.030	.053	.583	....
26	.202	.190	.022	.058	.485	....
27	.187	.178	.017	.067	.411	....
28	.166	.154	.017	.073	.353	....
29	.155	.143	.011	.073	.325	....
30	.145	.217	.019	.070	.310	....
31	.166		.021	.069		....
MEAN	.246	.372	.061	.041	.342	.....
MAX.	.665	1.107	.174	.124	1.007	.....
MIN.	.094	.118	.011	.011	.072	.....
DAM3	660	964	164	111	887	273

TOTAL SEASONAL FLOW = 3059 DAM3 = 40 AREA MM
MEAN DAILY DISCHARGE = .213 CMS
MAX DAILY DISCHARGE = 1.107 CMS MAX INST FLOW = 1.162 CMS
MIN DAILY DISCHARGE = .011 CMS MIN INST FLOW = .002 CMS

DRAINAGE AREA: 7700 HA LOCATION: 11-5-43-10-W5
PHASE 3 CODE : H13C16B2
RATING CURVE : FLOW = 10.735 - 22.819(STAGE) + 12.136(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 107915-83

TABLE 140

DAILY AVERAGE STREAMFLOW DATA (CMS)
FOR WAWA CREEK, ROCKY-CLEARWATER FOREST, 1984
MAY 10, 1984 - OCTOBER 6, 1984

	MAY	JUNE	JULY	AUG	SEPT	OCT
1	....	.327	.137	.049	1.285	5.382
2	....	.260	.109	.131	1.491	5.795
3	....	.225	.097	.206	1.588	6.274
4	....	.204	.100	.249	2.053	7.007
5	....	.385	.102	.125	2.350	7.030
6	....	1.435	.173	.001	3.400	6.026
7	....	1.504	.205	.018	4.925	....
8	....	2.357	.160	.042	3.880	....
9	....	4.273	.140	.088	3.534	....
10	.465	3.768	.141	.124	3.500	....
11	.439	2.108	.129	.416	4.730	....
12	.448	1.522	.163	.405	5.397	....
13	.449	1.149	.381	.319	4.976	....
14	.407	.890	.288	.395	4.565	....
15	.433	.777	.282	.412	4.200	....
16	1.261	.741	.324	.352	3.968	....
17	2.371	.719	.314	.233	4.039	....
18	1.460	.634	.309	.055	4.040	....
19	.979	.748	.298	.062	4.115	....
20	.730	.768	.375	.072	4.370	....
21	.578	.619	.337	.123	5.385	....
22	.482	.524	.086	.133	5.642	....
23	.447	.458	.047	.176	5.405	....
24	.418	.375	.022	.258	5.287	....
25	.319	.321	.005	.420	5.245	....
26	.333	.270	.008	.393	5.178	....
27	.418	.241	.050	.085	5.203	....
28	.381	.214	.020	.229	5.128	....
29	.294	.189	.038	.323	5.062	....
30	.271	.173	.024	.532	5.161	....
31	.363		.022	.869		....
MEAN	.....	.939	.158	.235	4.170	.....
MAX.	.....	4.273	.381	.869	5.642	.....
MIN.	.....	.173	.005	.001	1.285	.....
DAM3	1188	2435	422	630	10809	3241

TOTAL SEASONAL FLOW = 18725 DAM3 = 298 AREA MM
MEAN DAILY DISCHARGE = 1.445 CMS
MAX DAILY DISCHARGE = 7.030 CMS MAX INST FLOW = 4.273 CMS
MIN DAILY DISCHARGE = .001 CMS MIN INST FLOW = .001 CMS

DRAINAGE AREA: 6281 HA LOCATION: 12-16-43-15-W5
PHASE 3 CODE : H13D15E1
RATING CURVE : FLOW = 43.446 - 65.054(STAGE) + 24.341(STAGE)*2
COMMENTS : STEVENS RECORDER S.N. 107917-83 ISCO SAMPLER A2572-40